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ABSTRACT

A supplement to six previous bibliographies, this bibliography provides access to some of the latest resource material, research findings, and/or developments in outdoor education. Part I contains 47 citations and abstracts which appeared in "Resources in Education" (RIE) from the January 1976 issue through the December 1976 issue. Part II includes 69 citations of journal articles which appeared in "Current Index to Journals in Education" (CIJE) from the January 1976 issue through the December 1976 issue. In addition to outdoor education, the citations cover such topics as camping, conservation education, curriculum development, discovery learning, ecology, educational philosophy, elementary school science, environmental education, field trips, facilities, handicapped children, land use, learning activities, natural resources, nature centers, oceanology, program development, resident camp programs, science activities, teacher education, and urban environment and education. Types of materials cited include curriculum guides, research reports, resource guides, instructional materials, program descriptions, and teaching guides. A combined RIE and CIJE subject index is provided to assist the user in locating citations pertaining to a given subject area within the realm of outdoor education. Ordering information and a list of the 16 ERIC clearinghouses are included. (NQ)

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ED136971

OUTDOOR EDUCATION

A SELECTED BIBLIOGRAPHY

(with ERIC Abstracts)

ERIC/CRESS Supplement No. 6

U S DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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March 1977

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RC009715

EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS (CRESS)

New Mexico State University

Las Cruces, New Mexico 88003

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March 1977

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PREVIOUS BIBLIOGRAPHIES

Outdoor Education, A Selected Bibliography. (ED 037 285)

Outdoor Education, A Selected Bibliography. Supplement No. 1 (ED 055 702)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 2 (ED 073 093)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 3 (ED 087 582)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 4 (ED 101 907)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). ERIC/CRESS Supplement No. 5 (ED 118 306)

INTRODUCTION

The Educational Resources Information Center (ERIC) is a federally funded national information system dedicated to the improvement of education through the dissemination of educational resources and research-related materials. ERIC aids school administrators, teachers, researchers, information specialists, professional organizations, students, and others in locating and using educational resources.

Each of the ERIC network centers focuses on a separate area (or areas) of education (for a listing of the individual clearinghouses, readers should consult a current issue of Resources in Education, formerly Research in Education). It is the responsibility of the ERIC Clearinghouse on Rural Education and Small Schools (CRESS) to collect materials related to rural education and small schools, and American Indian, Mexican American, migrant, and outdoor education and to input these materials into the national ERIC system.

A main function of the ERIC system is to process documents other than current journal articles for announcement in Resources in Education (RIE), a monthly publication containing abstracts of research, research-related reports, and resource materials in education as input by the various Clearinghouses. In addition, ERIC compiles the Current Index to Journals in Education (CIJE), a monthly index which provides citations from over seven hundred major publications: journals, quarterlies, annuals, and yearbooks.

About the Bibliography

The present bibliography was compiled to provide access to some of the latest resource material, research findings, and/or developments in outdoor

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education. The present bibliography is a supplement to six previous ERIC/CRESS publications. The previously published bibliographies, in conjunction with the present supplement comprise a series of bibliographies designed to provide cumulative coverage of outdoor education throughout the currently available issues of RIE and CIJE. (It should be noted that microfiche and hard copy prices in the previously published bibliographies do not reflect current ERIC Document Reproduction Service pricing, however, prices given therein may be computed as per the instructions on the order blank appended to the present bibliography.)

In conducting the computer search of the ERIC tapes for the purpose of compiling this bibliography, the only term used was OUTDOOR. The output was then screened for relevance to outdoor education.

Sources of Material

Resources in Education. Part of the present supplement contains citations and abstracts which have appeared in RIE from the January 1976 issue through the December 1976 issue. RIE contains subject, author, and institution indexes, along with document resumes which include the ERIC accession number, author(s), title source(s), date of publication, ERIC Document Reproduction Service prices or an alternative availability, and the abstract.

For the subject index, two types of descriptive terms are available for RIE as well as CIJE: descriptors and identifiers. Descriptors are technically meaningful terms or short phrases that have been incorporated into the Thesaurus of ERIC Descriptors. Descriptors are used to characterize the document and for indexing and retrieval purposes. Only major descriptors (those preceded by an asterisk) are used for indexing purposes in this bibliography.

Proper names of persons, geographical locations, trade names, and so on may be important in describing a document. These terms, called identifiers, are not found in the Thesaurus. Identifiers are included with the citations in RIE for descriptive purposes. Major identifiers (those preceded by an asterisk) are not indexed in this bibliography.

When using the RIE section of this bibliography, the reader is encouraged (1) to utilize the subject index in identifying relevant materials, (2) to examine the resumes to determine appropriateness of materials, and (3) to obtain microfiche or hard copy reproductions of documents from ERIC Document Reproduction Service. The reproductions must be ordered as described on the order blank appended to the present bibliographic supplement.

The reader is reminded that there are numerous complete microfiche collections of ERIC materials throughout the nation which may be used by the public. A list containing the locations of these standing orders may be found in Section IV of this publication.

Current Index to Journals in Education. Part II of this supplement, CIJE coverage, includes citations from CIJE beginning with the January 1976 issue and continuing through the December 1976 issue. Entries listed in the CIJE section of this bibliography are processed in a slightly different manner than are RIE citations. Brief annotations take the place of RIE abstracts. Furthermore, annotations are provided only when it is thought that the article being processed cannot be described adequately by a combination of major and minor descriptors, identifiers, and information in the title. Each journal citation includes the publication date, article title, personal author(s), journal title (sometimes abbreviated), and information on the volume, number, and pages. Please note that there are two CIJE entries per page.

Since CIJE entries are not available from ERIC Document Reproduction Service, the reader is encouraged to take advantage of his local library in locating the journals he wishes to use.

The Subject Index

A combined RIE and CIJE index is provided at the end of the present bibliography to assist the user in locating citations pertaining to a given subject area within the realm of outdoor education. The index terms, descriptors under which the citations were indexed in RIE and CIJE, are from the Thesaurus of ERIC Descriptors. Only major descriptors (those preceded by an asterisk) are indexed; major identifiers are not indexed in this bibliography.

Each citation in the bibliography is headed by an ERIC accession number. Entries from RIE are assigned an ED number; those from CIJE are assigned an EJ number. In both the RIE and CIJE sections, the citations appear in numerical order according to the accession number. The citations are referenced in the index by the accession number.

Ordering Information

Publications cited in Part I of this bibliography are either available from ERIC Document Reproduction Service (EDRS) or an alternate availability is given with the citation. Prices may be computed as per the instructions on the order blank appended to the present bibliography.

Before ordering any item, the RIE citations should be double checked. If the citation carries the statement NOT AVAILABLE FROM EDRS, an alternate availability is given. If the citation carries the statement HC NOT AVAILABLE FROM EDRS, the publication is available in microfiche only from EDRS. If

neither of the foregoing statements appears with the RIE citation, it may be assumed that the publication is available from EDRS in microfiche and hard copy. Please use the order blank appended to this bibliography when ordering microfiche or hard copy from EDRS.

Document Contributions

Persons desiring to contribute materials such as those cited in this bibliography may do so by sending one copy (two if available) to:

ERIC/CRESS Acquisitions
New Mexico State University
Box 3AP
Las Cruces, New Mexico 88003

PART I: CITATIONS FROM RESOURCES IN EDUCATION

SAMPLE ABSTRACT

ED ED116883
CH RC008955
AU SMATHERS, KEENER M.
TI OUTWARD BOUND IN THE PROFESSIONAL EDUCATION OF TEACHERS. A STUDY OF AN EXPERIMENTAL COMPONENT IN FIELD EXPERIENCES.
PD 75
IS RIE76MAY
IN NATIONAL CONFERENCE ON OUTDOOR PURSUITS IN HIGHER EDUCATION.
SN DEWITT WALLACE / READER'S DIGEST FUND, PLEASANTVILLE, N.Y.
PR EDRS PRICE MF-$0.76 HC-$3.32 PLUS POSTAGE
AV OFFICE OF WILDERNESS EXPERIENCES, APPALACHIAN STATE UNIVERSITY, BOONE, NORTH CAROLINA 28608 ($3.00)
NO 60P.
DE *COMPARATIVE ANALYSIS; HIGHER EDUCATION; HUMANISM
DE *OUTDOOR EDUCATION; *SELF CONCEPT; STUDENT TEACHER RELATIONSHIP
DE *STUDENT TEACHING; *TEACHER EDUCATION
ID APPALACHIAN STATE UNIVERSITY; *OUTWARD BOUND; STRESS EXPERIENCES
AB IN AN EFFORT TO MEASURE THE IMPACT OF OUTWARD BOUND (OB) EDUCATION ON TEACHER CANDIDATES, AN 18-DAY STRESS EXPERIENCE WAS ARRANGED FOR 12 APPALACHIAN STATE UNIVERSITY STUDENTS AND THEN COMPARED WITH THE EFFECTS OF THE NORMAL 11-WEEK STUDENT TEACHER EXPERIENCES OF TWO OTHER GROUPS. THE OB GROUP UNDERWENT A SERIES OF INDIVIDUAL AND GROUP WILDERNESS PROBLEMS INVOLVING CROSS-COUNTRY BACK PACKING, ROCK CLIMBING, WHITE WATER RAFTING, AND A THREE-DAY WILDERNESS SOLO WITHOUT FOOD. THE OB STUDENTS WERE ALSO GIVEN A DIME AND ASKED TO "MAKE DO" IN ATLANTA, GEORGIA FOR SEVERAL DAYS. LEARNING BY DOING AND GROUP COOPERATION WERE EMPHASIZED. DURING THE REMAINING 8 WEEKS OF THE SEMESTER, THESE STUDENTS TAUGHT IN A CLASSROOM. PRE- AND POST-ASSESSMENTS BY OB STUDENTS OF THEIR OVERALL PROFESSIONAL EDUCATION AND THEIR PERSONAL TEACHING READINESS AND PERFORMANCE WERE POSITIVE, AS WERE THEIR SUMMARIZATION STATEMENTS. EVALUATIONS BY PUBLIC SCHOOL CLASSES AND COLLEGE SUPERVISORS DID NOT INDICATE SIGNIFICANT DIFFERENCES AMONG THE GROUPS, BUT PRE- AND POST-INVENTORIES RELATIVE TO THE TOTAL CONTRIBUTION OF PROFESSIONAL EDUCATION TO TEACHING READINESS SHOWED MARKED CHANGES IN FAVOR OF OB, WHILE THE OTHER GROUPS' RESPONSES DID NOT VARY. SPECIFICALLY, THE OB GROUP GAINED IN: (1) TEACHER SELF-CONFIDENCE; (2) STUDENT INVOLVEMENT (INVOLVING STUDENTS); AND (3) HUMANISM (HUMANISTIC RECEPTIVITY TO OTHERS). (JC)

KEY TO ABSTRACT

ED ERIC Accession Number - identification number sequentially assigned to documents as they are processed

CH Clearinghouse accession number

AU Author(s)

TI Title

PD Date published

IS Issue of RIE

IN Institutional source

SN Sponsoring agency - agency responsible for initiating, funding, and managing the research project

PR EDRS price - price through ERIC Document Reproduction Service. "MF" means microfiche: "H" means hard copy. When listed "not available from EDRS", other sources are cited above

AV Alternate source for obtaining document

NO Number of pages

DE Descriptors - subject terms which characterize substantive content. Only the major terms, preceded by an asterisk, are printed in the subject index

ID Identifiers - additional identifying terms not found in the Thesaurus of ERIC Descriptors

AB Informative abstract

( ) Abstractor's initials always placed at end of abstract

ED - ED111549
CH - RC008730
AU - ISHKANIAN, MARK, COMP.; AND OTHERS
TI - DIRECTORY OF NATURE CENTERS, OUTDOOR STUDY AREAS AND ENVIRONMENTAL EDUCATION CENTERS IN NEW YORK STATE. SPRING 1975 EDITION.
PD - 75
IS - RIE76JAN
IN - NEW YORK STATE DEPT. OF ENVIRONMENTAL CONSERVATION, ALBANY.
IN - NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION, SYRACUSE.
PR - EDRS PRICE MF-$0.76 HC-$1.95 PLUS POSTAGE
AV - NYSOEA DIRECTORY, BOX 26, SYRACUSE, NEW YORK 13215 ($2.00)
NO - 37P.; PREPARED WITH THE COOPERATION OF '76 ENVIRONMENT, ALBANY, NEW YORK
DE - *DIRECTORIES; *ENVIRONMENTAL EDUCATION; *FACILITIES
DE - *NATURE CENTERS; *OUTDOOR EDUCATION; *PROGRAMS
ID - NEW YORK
AB - COMPILED FROM SURVEY RESPONSES, THIS PUBLICATION CONSTITUTES THE SECOND EDITION OF A GUIDE TO ESTABLISHED OUTDOOR AND ENVIRONMENTAL EDUCATION CENTERS IN THE STATE OF NEW YORK. ORGANIZED BY REGION (ENVIRONMENTAL CONSERVATION REGIONS OF NEW YORK STATE) AND BY COUNTY, APPROXIMATELY 80 ENTRIES ARE PRESENTED. EACH ENTRY INCLUDES: (1) THE CENTER'S NAME, ADDRESS, PHONE NUMBER, SUPERVISOR'S NAME, AND AFFILIATIONS; (2) A BRIEF DESCRIPTION OF THE CENTER'S FACILITIES; AND (3) THE KIND OF EDUCATIONAL PROGRAMS OFFERED. (JC)

ED - ED111554
CH - RC008735
TI - THE PIONEER STUDENT TEXTBOOK. MOHICAN SCHOOL IN THE OUT-OF-DOORS.
PD - 74
IS - RIE76JAN
IN - MOHICAN SCHOOL IN THE OUT-OF-DOORS, PERRYSVILLE, OHIO.
PR - EDRS PRICE MF-$0.76 HC-$3.32 PLUS POSTAGE
AV - MOHICAN SCHOOL IN THE OUT-OF-DOORS, BOX 150, ROUTE #2, PERRYSVILLE, OHIO 44864 ($2.50)
NO - 74P.; FOR RELATED DOCUMENT, SEE ED 038 219; PAGE 26 MAY REPRODUCE POORLY DUE TO SMALL PRINT
DE - CONSERVATION EDUCATION; CREATIVE EXPRESSION; ECOLOGY
DE - *ELEMENTARY SCHOOL CURRICULUM; HISTORY; MATHEMATICS
DE - *NATURAL RESOURCES; *OUTDOOR EDUCATION; POETRY
DE - *RESIDENT CAMP PROGRAMS; SCIENCE ACTIVITIES; *TEXTBOOKS
AB - DESIGNED FOR PRE-CAMP AND IN-CAMP STUDIES, THIS TEXT PRESENTS MATERIALS RELATIVE TO THE MOHICAN SCHOOL IN THE OUT-OF-DOORS (PERRYSVILLE, OHIO). THE FOLLOWING AREAS ARE COVERED: (1) THE DAILY CAMP SCHEDULE (INCLUDES SECTIONS ON COMMUNITY LIFE, UTILIZATION OF THE SENSES, AND THE ART OF OBSERVATION); (2) AN HISTORICAL/GEOGRAPHICAL REVIEW OF THE MOHICAN AREA; (3) THE ACT OF CREATIVE EXPRESSION (INCLUDES SAMPLES OF JOURNAL ENTRIES, STUDENT POETRY, ETC); (4) THE ART OF CONSERVATION AND ECOLOGICAL EXPLORATION (INCLUDES TRAILSIDE FACTS AND MANNERS, POND STUDY, CREEKBED STUDY, OUTDOOR MATHEMATICS, A COMPASS GAME, TREE IDENTIFICATION, TREE OBSERVATION, FERN OBSERVATION, WILDFLOWER OBSERVATION, BIRD OBSERVATION, SOIL STUDY, ETC); AND (5) WEATHER STUDY (VOCABULARY FOR ECOLOGY AND WEATHER, WIND SPEED ESTIMATION, CHILL FACTOR, WEATHER FORECASTING, AND HUMIDITY CHART). THE TEXT IS DIVIDED INTO READING MATERIALS (PRE-CAMP) AND WORKSHEETS (IN-CAMP) WHICH INCLUDE MAPS, PICTURES, DRAWINGS, CHARTS, ETC. (JC)

EC - ED111564
CH - RC008745
AU - ASKHAM, LEONARD R.
TI - WILDERNESS: A WAY OF THINKING; A STATE OF MIND.
PD - 24 AUG 75
IS - RIE76JAN
PR - EDRS PRICE MF-$0.76 HC-$1.58 PLUS POSTAGE
NO - 16P.; PAPER PRESENTED AT THE ANNUAL MEETING OF THE RURAL SOCIOLOGICAL SOCIETY, (SAN FRANCISCO, CALIFORNIA, AUGUST 24, 1975)
DE - ATTITUDES; *BEHAVIOR CHANGE; *CONCEPT FORMATION
DE - *ENVIRONMENTAL CRITERIA; ENVIRONMENTAL EDUCATION
DE - INDIVIDUAL DIFFERENCES; *OUTDOOR EDUCATION; *RECREATION
DE - SOCIAL RELATIONS
ID - *WILDERNESS
AB - WILDERNESS, AS A STATE OF MIND, HAS PERSISTED AMONG MEN SINCE THE BEGINNING OF TIME. WRITTEN HISTORY HAS DOCUMENTED MAN'S STRUGGLE WITH AND AGAINST IT. IT HAS ONLY BEEN DURING THE LAST CENTURY THAT MAN, IN A SOCIETAL CONTEXT, HAS DESIGNATED VAST TRACTS OF LAND AS WILDERNESS. THE EXTENT TO WHICH WILDERNESS ATTRIBUTES ARE PERCEIVED AND THE MEANING ATTACHED TO THEM VARIES WITH THE OBSERVER. OVER THE YEARS, IT HAS BEEN REGARDED BOTH AS AN ENEMY TO BE CONQUERED IN THE NAME OF CIVILIZATION, CHRISTIANITY, AND PROGRESS, AND AS SOMETHING OF VALUE TO BE CHERISHED AND PRESERVED. THUS, THE DICHOTOMY EMERGES BETWEEN WILDERNESS AS A PHYSICAL ENTITY AND WILDERNESS AS PERCEIVED BY AN INDIVIDUAL ENCOUNTERING A PREVIOUSLY UNENCOUNTERED, OPERATIONAL ENVIRONMENT FOR THE FIRST TIME. FOR MANY PEOPLE, PARTICULARLY THOSE WHO ARE BORN AND RAISED IN AN URBAN ENVIRONMENT, THE WILDERNESS BEGINS AT THE EDGE OF THE CONCRETE. FOR OTHERS, IT EXISTS AT THE BOUNDS OF THEIR LIMITATIONS. THEREFORE, EACH INDIVIDUAL PERCEIVES WILDERNESS IN THE CONTEXT OF HIS HISTORY, MATURATION, AND EXPOSURE TO DIFFERENT TYPES OF OPERATIONAL ENVIRONMENTS. AS EXPOSURE INCREASES AND THE INDIVIDUAL MATURES, SO DOES HIS CONCEPT OF WHAT A WILDERNESS MIGHT BE. (AUTHOR/NQ)

ED - ED113113
CH - RC008825
AU - KELBA, NESTOR N.
TI - THE DEVELOPMENT OF AN INSTRUMENT FOR EVALUATING RESIDENTIAL OUTDOOR EDUCATION CENTRES IN CANADA.
PD - APR 74
IS - RIE76FEB
PR - EDRS PRICE MF-$0.76 HC-$8.24 PLUS POSTAGE
NO - 158P.; MS THESIS, CALGARY UNIVERSITY, CALGARY, ALBERTA
DE - *EVALUATION METHODS; *LITERATURE REVIEWS; MASTERS THESES
DE - *MEASUREMENT INSTRUMENTS; OBJECTIVES; *OUTDOOR EDUCATION
DE - PROGRAM CONTENT; *RESIDENTIAL CENTERS; RESIDENTIAL PROGRAMS
ID - *CANADA
AB - THE STUDY'S PURPOSE WAS TO DEVELOP A VALID INSTRUMENT FOR EVALUATING RESIDENTIAL OUTDOOR EDUCATION CENTRES IN CANADA. USING PUBLISHED AND UNPUBLISHED LITERATURE, A PRELIMINARY INSTRUMENT CONSISTING OF 206 CRITERIA WAS CONSTRUCTED. TWENTY-FIVE RECOGNIZED CANADIAN EXPERTS IN RESIDENTIAL OUTDOOR EDUCATION WERE RANDOMLY SELECTED FROM 3 SUBSAMPLE AREAS (THE MARITIMES, QUEBEC-ONTARIO, AND WESTERN CANADA): THESE WERE ASKED TO ACT AS JURORS. TO VALIDATE THE PRELIMINARY INSTRUMENT, THE JURORS WERE SENT A COPY OF THE INSTRUMENT WITH INSTRUCTIONS TO RATE EACH CRITERION ON A 7-POINT SCALE: ESSENTIAL, VERY DESIRABLE, DESIRABLE, ACCEPTABLE, QUESTIONABLE, UNACCEPTABLE, NOT FEASIBLE, AND AN EIGHTH SCALE, NOT APPLICABLE. TWENTY JURORS (80 PERCENT OF THE TOTAL NUMBER) RESPONDED. OF THE 206 CRITERIA, 3 WERE EXCLUDED BECAUSE THEIR AVERAGE RATINGS WERE LOWER THAN THE REQUIRED 4.0 AND 1 BECAUSE OF THE JURORS' COMMENTS. THE OVERALL AVERAGE RATING OF THE 202 CRITERIA RETAINED IN THE INSTRUMENT WAS 6.0 OR VERY DESIRABLE. THE FINAL INSTRUMENT WAS GIVEN A 6-POINT SCALE WHICH INCLUDED: MET COMPLETELY, GREAT DEGREE, MODERATE DEGREE, SMALL DEGREE, NOT MET TO ANY DEGREE, AND NOT APPLICABLE. IN ADDITION, THE AVERAGE RATING RECEIVED FROM JURORS FOR EACH CRITERION WAS INCLUDED IMMEDIATELY FOLLOWING THAT CRITERION IN THE BODY OF THE INSTRUMENT. (AUTHOR/NQ)

ED - ED113150
CH - SE019540
AU - CASE, SHARON, ED.; AND OTHERS
TI - LIVING EDUCATION: A TEACHER'S GUIDE TO OVERNIGHT SITES IN OREGON.
PD - 75
IS - RIE76FEB
IN - OREGON STATE DEPT. OF EDUCATION, SALEM.
PR - EDRS PRICE MF-$0.76 HC-$4.43 PLUS POSTAGE
AV - DOCUMENTS CLERK, OREGON DEPARTMENT OF EDUCATION, 942 LANCASTER DRIVE, N.E., SALEM, OREGON 97310 ($2.00)
NO - 85P.; PHOTOGRAPHS WILL REPRODUCE POORLY
DE - *CAMPING; *EDUCATIONAL FACILITIES; EDUCATIONAL RESOURCES
DE - ENVIRONMENTAL EDUCATION; FIELD INSTRUCTION; FIELD TRIPS
DE - *INSTRUCTIONAL MATERIALS; INSTRUCTIONAL MEDIA
DE - INSTRUCTIONAL TRIPS; OUTDOOR EDUCATION; PROGRAM DEVELOPMENT
DE - RECREATIONAL PROGRAMS; *RESIDENT CAMP PROGRAMS; *TEACHING GUIDES
ID - OREGON
AB - THIS DOCUMENT HAS BEEN PREPARED TO ENCOURAGE TEACHERS IN OREGON TO PLAN ENVIRONMENTAL TRIPS WITH THEIR CLASSES. IT IS ORGANIZED INTO THREE MAJOR SECTIONS--AWARENESS IN A LIVING ENVIRONMENT, TEACHING AND PLANNING RESOURCES, AND DIRECTORY OF OVERNIGHT SITES IN OREGON. USING A SERIES OF QUESTIONS AS GUIDELINES, CHILDREN BECOME AWARE OF THEIR ENVIRONMENT BY LOOKING, LISTENING, AND TOUCHING. CHANGE, CYCLES, MICROHABITATS, AND INTERDEPENDENCE ARE OTHER TOPICS DESIGNED TO STIMULATE INQUIRY AND INCREASE ENVIRONMENTAL AWARENESS. THE SECOND PART OF THIS PUBLICATION IS ARRANGED IN FIVE SUBSECTIONS. THE FIRST SECTION IS A LISTING OF AGENCIES THAT WILL PROVIDE FREE PAMPHLETS, BOOKLETS, MAPS, GUIDES, FILMS, AND SLIDE PRESENTATIONS UPON REQUEST. SECTION TWO PRESENTS A BIBLIOGRAPHY OF INSTRUCTIONAL MATERIALS. THE THIRD AREA CONTAINS A GLOSSARY OF TERMS, WHICH MIGHT BE HELPFUL IN DISCUSSING ENVIRONMENTAL ISSUES. TIPS ON PLANNING TRIPS ARE INCLUDED IN THE FOURTH SUBSECTION. THE FIFTH AREA IS A LISTING OF SUGGESTED ITEMS TO TAKE ON A TRIP. PART THREE PROVIDES A LISTING OF NON-COMMERCIAL CAMPS AVAILABLE THROUGH AGENCIES, CHURCH ORGANIZATIONS, OR PRIVATE OWNERS. THE CAMPS ARE LISTED WITHIN EACH OF THE ELEVEN AREA DIVISIONS OF OREGON, AND BY COUNTY WITHIN EACH DIVISION. LOCATION, ACCOMMODATIONS, AND CONTACTS FOR CAMPS ARE INCLUDED. (BP)

ED - ED113154
CH - SE019638
TI - ACTIVITIES. A COLLECTION OF THINGS TO DO AT THE ENVIRONMENTAL LEARNING CENTER, ISABELLA, MINNESOTA.
PD - 75
IS - RIE76FEB
IN - ENVIRONMENTAL LEARNING CENTER, ISABELLA, MINN.
PR - EDRS PRICE MF-$0.76 HC-$5.70 PLUS POSTAGE
NO - 119P.; OCCASIONAL MARGINAL LEGIBILITY
DE - CURRICULUM GUIDES; *ELEMENTARY SECONDARY EDUCATION
DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
DE - LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION
DE - RESIDENT CAMP PROGRAMS; *SCIENCE EDUCATION; STUDENT PROJECTS
DE - *TEACHING GUIDES
AB - A COLLECTION OF ACTIVITIES USED SUCCESSFULLY AT THE ENVIRONMENTAL LEARNING CENTER IN ISABELLA, MINNESOTA, ARE CONTAINED IN THIS GUIDE. AREAS OF STUDY ARE PERCEPTION AND COMMUNICATION, MAPPING, WEATHER, SNOW, SOIL, AQUATICS, TREES, AND ANIMALS. WITHIN THESE AREAS IS A NUMBER OF RELATED ACTIVITIES, EACH TO BE ADAPTED TO THE APPROPRIATE GRADE LEVEL. THE EXERCISES CONTAIN A BRIEF DESCRIPTION WITH A STATEMENT OF PURPOSE. EQUIPMENT CHECKLISTS INDICATE WHAT THE CENTER FURNISHES, AND WHAT YOU ARE EXPECTED TO PROVIDE. PROCEDURES EXPLAIN SPECIFICALLY HOW TO GO ABOUT EACH ACTIVITY. A SERIES OF DISCUSSION QUESTIONS SERVE AS A FOLLOW UP TO THE EXERCISES. THE LESSONS PROVIDE A DEGREE OF FLEXIBILITY, SO THAT THEY CAN BE USED WHEN DESIGNING A RESIDENT PROGRAM, OR MODIFIED TO ACCOMMODATE INDIVIDUAL OR GROUP NEEDS. A NUMBER OF THE ACTIVITIES SUGGEST THE USE OF ACTIVITY CARDS WHICH CAN BE REPRODUCED FROM THE LESSON SAMPLE. NOTEBOOKS ARE ALSO INDICATED AS BEING IMPORTANT IN MOST AREAS. INCLUDED IN THE APPENDIX IS A DETAILED ACCOUNT OF AVAILABLE EQUIPMENT AT THE CENTER, INCLUDING THOSE ITEMS FOR CAMPING, RECREATION, MEASURING, OPTICS, ASTRONOMY, TERRESTRIAL NEEDS, AQUATIC NEEDS, TEST KITS, AND AUDIOVISUAL AIDS. THE BIBLIOGRAPHY CONTAINS A COLLECTION OF MATERIALS USED TO DEVELOP ENVIRONMENTALLY ORIENTED LESSONS. (BP)

ED - ED113856
CH - EC080250
AU - HAWKINS, DONALD E.; AND OTHERS
TI - THE NATURAL ENVIRONMENT AND HUMAN DEVELOPMENT: IMPLICATIONS FOR HANDICAPPED CHILDREN IN URBAN SETTINGS.
PD - MAY 75
IS - RIE76MAR
SN - FOREST SERVICE (DOA), WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.76 HC-$3.32 PLUS POSTAGE
NO - 56P.
DE - ADAPTED PHYSICAL EDUCATION; ADMINISTRATION
DE - *ARCHITECTURAL BARRIERS; BIBLIOGRAPHIES; CAMPING
DE - CHILD DEVELOPMENT; DESIGN NEEDS; *ENVIRONMENTAL INFLUENCES
DE - EXCEPTIONAL CHILD EDUCATION; *HANDICAPPED CHILDREN
DE - OUTDOOR EDUCATION; *PROGRAM PLANNING; RECREATION
DE - *URBAN ENVIRONMENT
AB - PRESENTED FOR ENVIRONMENTAL DESIGNERS AND PROGRAM PLANNERS SERVING HANDICAPPED CHILDREN IN URBAN SETTINGS IS INFORMATION ON USING THE NATURAL ENVIRONMENT BOTH AS A THERAPEUTIC MODALITY AND TO FACILITATE CHILD DEVELOPMENT; PLANNING, ADMINISTERING, AND EVALUATING INNOVATIVE EDUCATIONAL RECREATIONAL AND CAMPING PROGRAMS; AND DEVELOPING STANDARDS FOR ARCHITECTURAL MODIFICATIONS AND BARRIER-FREE DESIGN. INCLUDED IS A BIBLIOGRAPHY CONTAINING APPROXIMATELY 280 REFERENCES ARRANGED ALPHABETICALLY BY AUTHOR OR SOURCE WITHIN THE FOLLOWING CATEGORIES: GENERAL REFERENCES; PHYSICAL AND MOTOR DEVELOPMENT; PERCEPTUAL DEVELOPMENT; BEHAVIOR/PERSONALITY/AFFECTIVE DEVELOPMENT; INTELLECTUAL/COGNITIVE/LANGUAGE DEVELOPMENT; PROGRAM PLANNING, ADMINISTRATION, AND EVALUATION IN THE NATURAL ENVIRONMENT; AND ARCHITECTURAL MODIFICATIONS/BARRIER-FREE DESIGN. (LH)

ED - ED114215
CH - RC008831
AU - LEWIS, CHARLES A., JR., ED.; CARLSON, MARCIA K., ED.
TI - CONTEMPORARY PERSPECTIVES IN OUTDOOR EDUCATION.
PD - 74
IS - RIE76MAR
PR - DOCUMENT NOT AVAILABLE FROM EDRS
AV - COLLEGE BOOKSTORE, STATE UNIVERSITY COLLEGE, CORTLAND, N.Y. 13045 ($6.35); MAKE CHECKS PAYABLE TO FACULTY STUDENT ASSOCIATION
NO - 130P.
DE - CAMPING; CURRICULUM DEVELOPMENT; *EDUCATIONAL THEORIES
DE - ELEMENTARY SECONDARY EDUCATION; EMOTIONALLY DISTURBED
DE - *ENVIRONMENTAL EDUCATION; FINANCIAL SUPPORT; HIGHER EDUCATION
DE - *LITERATURE REVIEWS; METHODS; *OUTDOOR EDUCATION
DE - *PROGRAM DESCRIPTIONS; SELF ACTUALIZATION; VISUALLY HANDICAPPED
AB - DESIGNED TO PROVIDE THE STUDENT OF OUTDOOR EDUCATION WITH A SYNTHESIS OF CURRENT LITERATURE IN THE FIELD, THIS COLLECTION PRESENTS 26 ARTICLES WHICH RANGE FROM ADMINISTRATIVE TO PRACTICAL APPLICATIONS OF OUTDOOR EDUCATION THEORY AND PHILOSOPHY. ARTICLES INCLUDE DISCUSSIONS OF: (1) THE PHILOSOPHY OF OUTDOOR EDUCATION; (2) A LONDON SCHOOL AND ITS USE OF THE ENVIRONMENT; (3) OUTDOOR EDUCATION METHODOLOGY; (4) CAMPING AND CAMPER ATTITUDES; (5) NATURE AS A CLASSROOM; (6) AN EDUCATIONAL PROGRAM INVOLVING YOUNG PEOPLE IN PUBLIC AFFAIRS; (7) OUTWARD BOUND; (8) SELF-AWARENESS VIA OUTDOOR EDUCATION; (9) A SUMMER CAMP THAT INCLUDED MENTALLY RETARDED CHILDREN; (10) COOPERATIVE FUNDING; (11) COMPARATIVE ENVIRONMENTAL EDUCATION IN PARK SETTINGS; (12) THE INTEGRATION OF OUTDOOR EDUCATION INTO THE CURRICULUM; (13) ORGANIZING CAMPS; (14) A MOUNTAIN CLASSROOM; (15) THE OUTDOOR EDUCATION REVIVAL IN NEW YORK STATE; (16) OUTDOOR TEACHING; (17) A SCHOOL GROUND OUTDOOR EDUCATION LABORATORY; (18) THE CONCEPT OF THE "NATURE CREEP"; (19) AN OUTDOOR COMMUNITY FOR TROUBLED ADOLESCENTS; (20) BEING IN TOUCH WITH NATURE; (21) A SNOW TREK FOR EMOTIONALLY DISTURBED STUDENTS; (22) ENVIRONMENTAL PROTECTION THROUGH OUTDOOR EDUCATION; (23) A NATURE TRAIL WITH BRAILLE MARKERS FOR THE VISUALLY HANDICAPPED; (24) A PROGRAM FOR THE UNDERACHIEVER; (25) HUNTING. (JC)

ED - ED114219
CH - RC008838
AU - METCALF, HARLAN G.
TI - WHITTLIN', WHISTLES, AND THINGAMAJIGS: THE PIONEER BOOK OF NATURE CRAFTS AND RECREATION ARTS.
PD - 74
IS - RIE76MAR
PR - DOCUMENT NOT AVAILABLE FROM EDRS
AV - STACKPOLE BOOKS, CAMERON AND KELKER STREETS, HARRISBURG, PENNSYLVANIA 17105 ($10.00)
NO - 190P.
DE - CONSERVATION (ENVIRONMENT); FOLK CULTURE; GAMES; *GUIDES
DE - *HANDICRAFTS; HISTORY; ILLUSTRATIONS; *METHODS
DE - *NATURAL RESOURCES; *OUTDOOR EDUCATION; PLANT IDENTIFICATION
DE - RECREATIONAL ACTIVITIES
AB - DESIGNED TO RECAPTURE RESPECT FOR NATURE, THIS BOOK PRESENTS NUMEROUS NATURAL HANDICRAFTS WHICH MAY BE UTILIZED BY YOUTH LEADERS, CAMPERS, FOLKLORISTS, HOBBYISTS, AND CHILDREN OF ALL AGES. ILLUSTRATED VIA PHOTOGRAPHS AND DRAWINGS, HANDICRAFTS ARE DESCRIBED AND PRESENTED IN TERMS OF HISTORY, CONSERVATION, AND TECHNIQUE. AMONG THE ACTIVITIES INCLUDED ARE: (1) MAKING WHISTLES AND HORNS FROM NATURAL SOURCES; (2) GATHERING, PREPARING, AND USING NATURAL CORDAGE MATERIALS; (3) MAKING SPEARS AND JAVELINS; (4) DEVELOPING SPEAR-THROWING TECHNIQUES (PRIMITIVE PROTOTYPES AND MODERN VERSIONS); (5) IDENTIFYING SUITABLE MATERIALS FOR THE WHIP-DART AND THE SLINGSHOT; (6) THROWING STONES WITH POWER AND USING THE SLING; (7) MAKING AND USING THE PRIMITIVE BLOWPIPE; (8) MAKING AND USING THE BOOMERANG (AUSTRALIAN RETURN AND NON-RETURN, PINWHEEL, AND CROSS-STOCK BOOMERANGS); (9) MAKING BOWS AND ARROWS AND INCREASING MARKSMANSHIP; (10) IDENTIFYING MATERIALS FOR MAKING WALKING STICKS; AND (11) MAKING FISHING TACKLE AND LEARNING FISHING TECHNIQUES. ADDITIONALLY, THIS BOOK PRESENTS CONCISE DESCRIPTIONS DETAILING THE COLLECTION AND USE OF VARIOUS TREES, PLANTS, SHRUBS, AND GRASSES. (JC)

ED - ED114254
CH - SE018110
TI - POPULATION INQUIRIES: U.S. AND WORLD DYNAMICS. VOLUME 1.
PD - 74
IS - RIE76MAR
IN - INDIANA UNIV., BLOOMINGTON. POPULATION EDUCATION PROJECT.
SN - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. OFFICE OF ENVIRONMENTAL EDUCATION.
PR - EDRS PRICE MF-$0.76 HC-$10.78 PLUS POSTAGE
CG - OEG-0-72-5143
NO - 215P.; FOR VOLUME 2 SEE SE 018 111
DE - CONSERVATION EDUCATION; *CURRICULUM GUIDES
DE - *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS
DE - INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES
DE - NATURAL RESOURCES; OUTDOOR EDUCATION; *POPULATION EDUCATION
DE - POPULATION GROWTH; POPULATION TRENDS; SCIENCE EDUCATION
DE - *SECONDARY EDUCATION; SOCIAL STUDIES; TEACHING GUIDES
AB - THIS INSTRUCTIONAL UNIT ON POPULATION ISSUES FOR USE IN HIGH SCHOOL SOCIAL STUDIES CLASSES HAS BEEN DESIGNED TO PROVIDE THE SOCIAL STUDIES TEACHER WITH A WIDE VARIETY OF INSTRUCTIONAL OPTIONS. THESE ARE ORIENTED TOWARD PROVIDING NON-COLLEGE-BOUND JUNIORS OR SENIORS WITH VISUALLY STIMULATING ACTIVITY-ORIENTED INSTRUCTION ON VITAL SOCIAL ISSUES RELATING TO POPULATION CHANGE. THIS UNIT IS DIVIDED INTO THREE CHAPTERS. CHAPTER 1 IS A DESCRIPTION OF THE PROJECT DESIGN AND DEVELOPMENT. CHAPTER 2 PROVIDES A BRIEF OVERVIEW OF THE PURPOSE AND STRUCTURE OF THE UNIT ALONG WITH SUGGESTIONS FOR USING THE UNIT IN THE CLASSROOM. CHAPTER 3 CONSISTS OF THE INSTRUCTIONAL UNIT, WHICH CONTAINS A SERIES OF ACTIVITIES EACH INCLUDING A PURPOSE, LEARNING GOALS, TEACHING SCHEDULE, TEACHING AIDS, LEARNING AIDS, TEACHING PROCEDURES, STUDENT APPLICATION EXERCISES, NOTES TO THE TEACHER, AND STUDENT CONFIRMATION SHEETS. A SECTION OF STUDENT MATERIALS IS ALSO INCLUDED ALONG WITH A TEACHER IDEA GRABBAG. RESOURCE MATERIALS ARE LISTED THROUGHOUT THE INSTRUCTIONAL UNIT AND INCLUDE: FILMSTRIPS, READING MATERIAL, A VISUAL QUESTIONNAIRE, ROLE-PLAYING AND SLIDES. A SEPARATE PAMPHLET, ENTITLED "POPULATION PENDULUM," IS ALSO ATTACHED. (TK)

ED - ED114421
CH - TM004915
AU - ADAMS, L. LA MAR; AND OTHERS
TI - EVALUATION OF ONE TYPE OF NON-TRADITIONAL PROGRAM OF HIGHER EDUCATION.
PD - 2 APR 75
IS - RIE76MAR
PR - EDRS PRICE MF-$0.76 HC-$1.58 PLUS POSTAGE
NO - 21P.; PAPER PRESENTED AT THE ANNUAL MEETING OF THE AMERICAN EDUCATIONAL RESEARCH ASSOCIATION (WASHINGTON, D.C., MARCH 30-APRIL 3, 1975)
DE - ACADEMIC ACHIEVEMENT; ACADEMIC FAILURE; *COLLEGE PROGRAMS
DE - COLLEGE STUDENTS; *EDUCATIONAL ALTERNATIVES
DE - EDUCATIONAL INNOVATION; EVALUATION METHODS; HIGHER EDUCATION
DE - MENTAL HEALTH; *OUTDOOR EDUCATION; *PROGRAM EVALUATION
DE - RELEVANCE (EDUCATION); *SELF CONCEPT; STATISTICAL ANALYSIS
DE - STUDENT ATTITUDES; STUDENT EVALUATION
ID - CLASP; *CREATIVE LEARNING APPLICATION SO
ID - NONTRADITIONAL EDUCATION; WILDERNESS EDUCATION PROGRAMS
AB - CREATIVE LEARNING THROUGH THE APPLICATION OF SOCIOLOGICAL PRINCIPLES (CLASP) IS A NONTRADITIONAL PROGRAM DESIGNED TO HELP STUDENTS DEVELOP THEIR OWN CONCEPTS, THEORIES, AND SKILLS DURING A NONSTRUCTURED SOCIOLOGY SEMESTER. THE PROGRAM CONSISTS OF SEVEN PHASES: (1) FIRST WEEK: TESTING, SIMULATING, AND PREPARATION; (2) SECOND-THIRD WEEKS: HUMAN RELATIONS AND SURVIVAL LAB IN WILDERNESS; (3) FOURTH-SEVENTH WEEKS: POST-WILDERNESS COMMUNITY PROBLEM SOLVING UPON RETURN TO CAMPUS; (4) EIGHTH WEEK: MIDTERM EVALUATION; (5) NINTH-TWELFTH WEEKS: SKILLED EXPERIENCES; (6) THIRTEENTH-FOURTEENTH WEEKS: REPORTING, SHARING, DISCUSSING, AND ANALYZING; AND (7) FIFTEENTH-SIXTEENTH WEEKS: EVALUATION AND GRADING. A GROUP OF STUDENTS WHO HAD COMPLETED TWO EVALUATION PHASES OF AN OUTDOOR SURVIVAL PROGRAM AND TWO DIFFERENT CLASP GROUPS ALL INVOLVED IN WILDERNESS EDUCATIONAL PROGRAMS, WERE EXAMINED TOGETHER WITH TWO CONTROL GROUPS. THE CONTROL GROUPS WERE A CONVENTIONAL BEGINNING CLASS IN SOCIOLOGY AND A CONVENTIONAL T-GROUP. RESULTS SIGNIFICANTLY FAVOR CLASP COMMUNITIES OVER T-GROUPS AND CONTROL GROUPS IN TERMS OF SOCIOLOGICAL CONTENT, CHANGES IN SELF CONCEPTION, AND ACADEMIC ACHIEVEMENTS. STRONG POSITIVE REACTIONS RATED THE CLASP PROGRAM AS THE BEST LEARNING EXPERIENCE IN THE STUDENTS' COLLEGE CAREER. THE PROGRAM HAS CREATED CONSIDERABLE "NOISE" IN THE TRADITIONAL ACADEMIC SYSTEM FOR NONTRADITIONAL EDUCATION. RECOMMENDATIONS ARE MADE FOR INSTITUTIONS TO ADAPT THIS SURVIVAL-TYPE PROGRAM TO THE NEEDS OF EACH COLLEGE DEPARTMENT. (AUTHOR/BJG)

ED - ED116387
CH - EC080768
TI - RESOURCE UNITS FOR INSTRUCTION IN PREPARING YOUTH FOR OCCUPATIONS IN RECREATIONAL-ENVIRONMENTAL VOCATIONS. WISCONSIN V.E.A. PROJECT NO. 1-20755104.
PD - 72
IS - RIE76MAY
IN - MERRILL AREA PUBLIC SCHOOLS, WIS.
SN - WISCONSIN STATE DEPT. OF PUBLIC INSTRUCTION, MADISON.
PR - EDRS PRICE MF-$0.76 HC-$1.95 PLUS POSTAGE
NO - 42P.
DE - ENVIRONMENTAL EDUCATION; EXCEPTIONAL CHILD EDUCATION
DE - *HANDICAPPED CHILDREN; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
DE - PROGRAM DEVELOPMENT; RECORDS (FORMS); *RECREATION
DE - SUMMER PROGRAMS; *VOCATIONAL EDUCATION
ID - WISCONSIN
AB - DESCRIBED IN THE HANDBOOK IS THE MERRILL AREA (WISCONSIN) PUBLIC SCHOOLS PROGRAM TO PREPARE HANDICAPPED YOUTH FOR OCCUPATIONS IN RECREATIONAL-ENVIRONMENTAL VOCATIONS. IN PART I, A SCHOOL FOREST SUMMER CURRICULUM WORKSHOP ALREADY TESTED WITH HANDICAPPED CHILDREN IS OUTLINED IN TERMS OF PURPOSE AND PHILOSOPHY (TO INCREASE THE SPECIAL VOCATIONAL EDUCATION OPPORTUNITIES FOR HANDICAPPED YOUTH THROUGH JOB TRAINING IN THE OUTDOOR LABORATORY ENVIRONMENT), 25 OBJECTIVES (SUCH AS TO UNDERSTAND AND RESPECT THE NEED FOR ECOLOGICAL CONTROLS), CURRICULUM SEQUENCE, FORMAT, METHODS, EVALUATION, AND RESOURCES. INCLUDED IN PART II ON DEVELOPING PROGRAMS AND SERVICES FOR THE HANDICAPPED ARE BRIEF SECTIONS ON THE CLASSIFICATION, INCIDENCE, AND EDUCATIONAL PROVISIONS FOR MENTALLY RETARDED, HEARING IMPAIRED, SPEECH IMPAIRED, VISUALLY IMPAIRED, EMOTIONALLY DISTURBED AND SOCIALLY MALADJUSTED, CRIPPLED AND HEALTH IMPAIRED, AND SPECIFICALLY LEARNING DISABLED CHILDREN. THE REMAINDER OF THE DOCUMENT IS DEVOTED TO INFORMATION NECESSARY TO FILLING OUT SUCH FORMS AS PROGRAM APPLICATIONS, VOCATIONAL EDUCATION APPLICATIONS, EXPENDITURE AND TRAVEL REIMBURSEMENT REPORTS, AND ENCUMBRANCES REPORTS. SAMPLE FORMS AND APPLICATIONS ARE ALSO PROVIDED. (SB)

ED - ED116883
CH - RC008955
AU - SMATHERS, KEENER M.
TI - OUTWARD BOUND IN THE PROFESSIONAL EDUCATION OF TEACHERS. A STUDY OF AN EXPERIMENTAL COMPONENT IN FIELD EXPERIENCES.
PD - 75
IS - RIE76MAY
IN - NATIONAL CONFERENCE ON OUTDOOR PURSUITS IN HIGHER EDUCATION.
SN - DEWITT WALLACE / READER'S DIGEST FUND, PLEASANTVILLE, N.Y.
PR - EDRS PRICE MF-$0.76 HC-$3.32 PLUS POSTAGE
AV - OFFICE OF WILDERNESS EXPERIENCES, APPALACHIAN STATE UNIVERSITY, BOONE, NORTH CAROLINA 28608 ($3.00)
NO - 60P.
DE - *COMPARATIVE ANALYSIS; HIGHER EDUCATION; HUMANISM
DE - *OUTDOOR EDUCATION; *SELF CONCEPT; STUDENT TEACHER RELATIONSHIP
DE - *STUDENT TEACHING; *TEACHER EDUCATION
ID - APPALACHIAN STATE UNIVERSITY; *OUTDOOR BOUND; STRESS EXPERIENCES
AB - IN AN EFFORT TO MEASURE THE IMPACT OF OUTWARD BOUND (OB) EDUCATION ON TEACHER CANDIDATES, AN 18-DAY STRESS EXPERIENCE WAS ARRANGED FOR 12 APPALACHIAN STATE UNIVERSITY STUDENTS AND THEN COMPARED WITH THE EFFECTS OF THE NORMAL 11-WEEK STUDENT TEACHER EXPERIENCES OF TWO OTHER GROUPS. THE OB GROUP UNDERWENT A SERIES OF INDIVIDUAL AND GROUP WILDERNESS PROBLEMS INVOLVING CROSS-COUNTRY BACK PACKING, ROCK CLIMBING, WHITE WATER RAFTING, AND A THREE-DAY WILDERNESS SOLO WITHOUT FOOD. THE OB STUDENTS WERE ALSO GIVEN A DIME AND ASKED TO "MAKE DO" IN ATLANTA, GEORGIA FOR SEVERAL DAYS. LEARNING BY DOING AND GROUP COOPERATION WERE EMPHASIZED. DURING THE REMAINING 8 WEEKS OF THE SEMESTER, THESE STUDENTS TAUGHT IN A CLASSROOM. PRE- AND POST-ASSESSMENTS BY OB STUDENTS OF THEIR OVERALL PROFESSIONAL EDUCATION AND THEIR PERSONAL TEACHING READINESS AND PERFORMANCE WERE POSITIVE, AS WERE THEIR SUMMARIZATION STATEMENTS. EVALUATIONS BY PUBLIC SCHOOL CLASSES AND COLLEGE SUPERVISORS DID NOT INDICATE SIGNIFICANT DIFFERENCES AMONG THE GROUPS, BUT PRE- AND POST-INVENTORIES RELATIVE TO THE TOTAL CONTRIBUTION OF PROFESSIONAL EDUCATION TO TEACHING READINESS SHOWED MARKED CHANGES IN FAVOR OF OB, WHILE THE OTHER GROUPS' RESPONSES DID NOT VARY. SPECIFICALLY, THE OB GROUP GAINED IN: (1) TEACHER SELF-CONFIDENCE; (2) STUDENT INVOLVEMENT (INVOLVING STUDENTS); AND (3) HUMANISM (HUMANISTIC RECEPTIVITY TO OTHERS). (JC)

ED - ED116910
CH - SE019468
TI - CAMPING SKILLS. ENVIRONMENTAL EDUCATION CURRICULUM.
PD - APR 73
IS - RIE76MAY
IN - TOPEKA PUBLIC SCHOOLS, KANS.
SN - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE), WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.76 HC-$1.95 PLUS POSTAGE
NO - 35P.; CONTAINS OCCASIONAL LIGHT TYPE
DE - *CAMPING; CONSERVATION EDUCATION; CURRICULUM DEVELOPMENT; ECOLOGY
DE - *EDUCABLE MENTALLY HANDICAPPED; *ENVIRONMENTAL EDUCATION
DE - FIELD TRIPS; OUTDOOR EDUCATION; RECREATIONAL ACTIVITIES
DE - SCIENCE EDUCATION; *SECONDARY GRADES; *TEACHING GUIDES
ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
AB - THIS UNIT ON CAMPING SKILLS IS DESIGNED FOR SPECIAL EDUCATION STUDENTS AT THE HIGH SCHOOL LEVEL. THE OBJECTIVE OF THE UNIT IS TO PROVIDE STUDENTS WITH AN ADEQUATE CAMPING KNOWLEDGE AND SKILL DEVELOPMENT TO ALLOW THEM TO PARTICIPATE IN CAMPING ACTIVITIES. THERE IS AN EMPHASIS ON MAINTAINING ENVIRONMENTAL QUALITY AS A PART OF GOOD CAMPING PRACTICES. TOPICS IN THIS UNIT INCLUDE REASONS FOR CAMPING, SELECTING THE CAMPING EQUIPMENT, CLOTHES FOR CAMPING, SELECTING A CAMPSITE, AND THE SETTING UP AND TAKING DOWN OF A TENT. EACH OF THE 10 TOPICS PROVIDES THE TEACHER AND STUDENT WITH AN OVERALL OBJECTIVE AND A NUMBER OF RELATED ACTIVITIES. TO FURTHER AID TEACHERS, THE APPENDIX INCLUDES INFORMATION ON BUILDING A CAMPFIRE, PITCHING A TENT, AND COOKING CAMPFIRE MEALS, PLUS OTHER TOPICS. DIRECTIONS FOR PLANNING THE ULTIMATE CAMPING FIELD TRIP ARE GIVEN IN DETAIL FOR THE TEACHER AND OTHER ADULT PARTICIPANTS. (MA)

ED - ED116913
CH - SE019782
TI - DIRECTORY OF NATURE CENTERS AND RELATED ENVIRONMENTAL EDUCATION FACILITIES. THIRD REVISION.
PD - JAN 75
IS - RIE76MAY
IN - NATIONAL AUDUBON SOCIETY, NEW YORK, N.Y.
PR - EDRS PRICE MF-$0.76 HC-$6.97 PLUS POSTAGE
AV - NATIONAL AUDUBON SOCIETY, NATURE CENTER PLANNING DIVISION, 950 THIRD AVENUE, NEW YORK, N.Y. 10022 ($3.00)
NO - 130P.
DE - *DIRECTORIES; EDUCATIONAL FACILITIES; *ENVIRONMENTAL EDUCATION
DE - *FACILITIES; NATURAL RESOURCES; *NATURE CENTERS
DE - *OUTDOOR EDUCATION; RECREATIONAL FACILITIES; RESOURCE CENTERS
ID - CANADA; UNITED STATES
AB - THIS DIRECTORY IS PART OF A CONTINUING EFFORT TO IDENTIFY FACILITIES ACTIVELY INVOLVED IN ENVIRONMENTAL EDUCATION. DESIGNED AS A GUIDE FOR THE CASUAL VISITOR AS WELL AS THE PROFESSIONAL PERSON, IT AIMS TO STIMULATE INTEREST IN NATURE CENTERS, IMPROVE COMMUNICATION AMONG FACILITIES, AND ENCOURAGE DEVELOPMENT OF NEW AND BETTER ONES. THIS THIRD REVISION CONTAINS A LISTING OF 558 FACILITIES, INCLUDING 41 IN CANADA. DIRECTORY ENTRIES CONSIST OF ABSTRACTED INFORMATION FROM A QUESTIONNAIRE DESIGNED BY THE NATURE PLANNING DIVISION OF THE NATIONAL AUDUBON SOCIETY. ARRANGED ALPHABETICALLY BY STATE OR PROVINCE, EACH ENTRY INCLUDES THE NAME, ADDRESS, TELEPHONE NUMBER, AND ORGANIZATION RESPONSIBLE FOR OPERATION AND MAINTENANCE. THOSE FACILITIES PRIMARILY SCHOOL-ORIENTED ARE INDICATED WITH AN ASTERISK. OTHER INFORMATION INCLUDES FACILITY SIZE, PROGRAM OFFERINGS, AVAILABILITY OF SELF-GUIDED TOURS, AND TIME THE FACILITY IS OPEN. IN ADDITION, THIS DIRECTORY PROVIDES A LIST OF FACILITIES PRIMARILY CONCERNED WITH OUTDOOR INTERPRETATION. OPERATION AND MAINTENANCE ARE BY THE FOLLOWING FEDERAL AGENCIES: BUREAU OF RECLAMATION, FOREST SERVICE, FISH AND WILDLIFE SERVICE, NATIONAL PARK SERVICE, SOIL CONSERVATION SERVICE, AND TENNESSEE VALLEY AUTHORITY. LISTED ALPHABETICALLY, ENTRIES CONTAIN THE NAME, ADDRESS, TELEPHONE NUMBER, AGENCY RESPONSIBLE FOR OPERATION, AND A BRIEF DESCRIPTION. FOR ADDITIONAL INFORMATION, INDIVIDUAL FACILITIES CAN BE CONTACTED PERSONALLY. (BP)

ED - ED118306
CH - RC008981
TI - OUTDOOR EDUCATION, A SELECTED BIBLIOGRAPHY (WITH ERIC ABSTRACTS). ERIC/CRESS SUPPLEMENT NO. 5.
PD - MAR 76
IS - RIE76JUN
IN - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS.
SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 HC-$10.03 PLUS POSTAGE
CG - 400-75-0025.
AV - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT BLVD., AUSTIN, TEXAS 78702 (STOCK NO. EC-035, $7.00)
ND - 199P.; FOR RELATED DOCUMENT, SEE ED 101 907
DE - *ABSTRACTS; *CONSERVATION EDUCATION; CURRICULUM GUIDES
DE - EMOTIONALLY DISTURBED; *ENVIRONMENTAL EDUCATION
DE - LEARNING ACTIVITIES; NATURAL RESOURCES; *OUTDOOR EDUCATION
DE - PROGRAM DESCRIPTIONS; RESOURCE GUIDES; SCIENCE EDUCATION
DE - SUBJECT INDEX TERMS; TEACHING GUIDES
ID - CIJE; CURRENT INDEX JOURNALS IN EDUCATION; RESEARCH IN EDUCATION
ID - RIE
AB - A SUPPLEMENT TO 5 PREVIOUS BIBLIOGRAPHIES, THIS BIBLIOGRAPHY PROVIDES ACCESS TO SOME OF THE LATEST RESOURCE MATERIAL, RESEARCH FINDINGS, AND/OR DEVELOPMENTS IN OUTDOOR EDUCATION. PART I CONTAINS 143 CITATIONS AND ABSTRACTS WHICH APPEARED IN "RESOURCES IN EDUCATION" (RIE) FROM THE JANUARY 1975 ISSUE THROUGH THE DECEMBER 1975 ISSUE. PART II INCLUDES 61 CITATIONS OF JOURNAL ARTICLES WHICH APPEARED IN "CURRENT INDEX TO JOURNALS IN EDUCATION" (CIJE) FROM THE JANUARY 1975 ISSUE THROUGH THE DECEMBER 1975 ISSUE. IN ADDITION TO OUTDOOR EDUCATION, THE CITATIONS COVER SUCH TOPICS AS CONSERVATION EDUCATION, EDUCATIONAL PROGRAMS, EMOTIONALLY DISTURBED, ENVIRONMENTAL EDUCATION, NATURAL RESOURCES, NATURE CENTERS, LEARNING ACTIVITIES, SCIENCE EDUCATION, AND URBAN ENVIRONMENT. TYPES OF MATERIALS CITED INCLUDE CURRICULUM GUIDES, RESEARCH REPORTS, RESOURCE GUIDES, INSTRUCTIONAL MATERIALS, PROGRAM DESCRIPTIONS, AND TEACHING GUIDES. A COMBINED RIE AND CIJE SUBJECT INDEX IS PROVIDED TO ASSIST THE USER IN LOCATING CITATIONS PERTAINING TO A GIVEN SUBJECT AREA WITHIN THE REALM OF OUTDOOR EDUCATION. ORDERING INFORMATION IS INCLUDED. (NQ)

ED - ED118307
CH - RC008982
AU - SKLIAR, NORMAN, ED.
TI - THE BEST OF "THE COMMUNICATOR", 1970-1975.
PD - 75
IS - RIE76JUN
IN - NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION, SYRACUSE.
PR - EDRS PRICE MF-$0.83 HC-$4.67 PLUS POSTAGE
AV - NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION, BOX 26, SYRACUSE, NEW YORK 13215 ($2.00)
NO - 87P.; A BOOKLET OF SELECTED ARTICLES DUPLICATED FROM "THE COMMUNICATOR", 1970-75
DE - ART; *CONSERVATION EDUCATION; *CURRICULUM ENRICHMENT
DE - *EDUCATIONAL PHILOSOPHY; *LEARNING ACTIVITIES
DE - LEARNING LABORATORIES; NATURAL RESOURCES; NATURE CENTERS
DE - *OUTDOOR EDUCATION; PERIODICALS; RESIDENT CAMP PROGRAMS
DE - SOCIAL STUDIES; TEACHER EDUCATION; TEACHING TECHNIQUES; TRAILS
AB - THE NEW YORK STATE OUTDOOR EDUCATION ASSOCIATION IS DEDICATED TO: (1) THE PROFESSIONAL IMPROVEMENT OF PERSONS INTERESTED AND INVOLVED IN OUTDOOR EDUCATION, AND (2) THE DEVELOPMENT OF ATTITUDES, VALUES, AND BEHAVIOR NECESSARY FOR THE WISE USE OF NATURAL RESOURCES. ITS MAJOR GOAL IS THE ENRICHMENT OF EDUCATIONAL CURRICULUMS THROUGH THE USE OF THE OUTDOORS AS A LIVING AND LEARNING LABORATORY. "THE COMMUNICATOR", THE ASSOCIATION'S OFFICIAL JOURNAL, CONSISTS OF ARTICLES CONTRIBUTED BY OUTSTANDING AUTHORITIES IN OUTDOOR EDUCATION. DUE TO NUMEROUS REQUESTS FOR BACK ISSUES OF "THE COMMUNICATOR", THIS BOOKLET PROVIDES 30 ARTICLES WHICH APPEARED IN VARIOUS ISSUES BETWEEN 1970 AND 1975. ADDRESSING THE ASSOCIATION'S GOALS, THE ARTICLES DEAL WITH OUTDOOR EDUCATION PHILOSOPHY AND METHODOLOGY, ECOLOGICAL CLASSROOMS, RESIDENT CAMPING EXPERIENCES, TEACHING TIPS, AND CLASSROOM PROJECTS. AMONG THE TOPICS ARE: OUTDOOR EDUCATION IN THE EDUCATIVE PROCESS, BASIC CONSIDERATIONS FOR OUTDOOR EDUCATION, ENVIRONMENTAL PROGRAMS, NATURE TRAILS, PROFESSIONAL PREPARATION IN OUTDOOR EDUCATION, TEACHING SOCIAL STUDIES AND ART OUTDOORS, ORIENTEERING, SURVIVAL, THE OUTDOORS AS A LEARNING CENTER, ECOLOGY, AND THE ENVIRONMENTAL CRISIS. (NQ)

ED - ED118336
CH - RC009012
AU - METCALFE, JOHN A.
TI - ADVENTURE PROGRAMMING.
PD - MAR 76
IS - RIE76JUN
IN - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS.
SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE
CG - NIE-C-400-75-0025
AV - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT BLVD., AUSTIN, TEXAS 78702 (STOCK NO. EC-036; $3.00)
NO - 56P.
DE - *EDUCATIONAL OBJECTIVES; EQUIPMENT; EVALUATION NEEDS
DE - FACILITY REQUIREMENTS; FINANCIAL SUPPORT; FOOD; *HIGHER EDUCATION
DE - HISTORICAL REVIEWS; INFORMATION SOURCES; *OUTDOOR EDUCATION
DE - PLANNING; *PROGRAM DESCRIPTIONS; *PROGRAM DEVELOPMENT
ID - *ADVENTURE EDUCATION
AB - SUMMARIZING THE HISTORICAL DEVELOPMENT OF ADVENTURE EDUCATION CONCEPTS AND PROGRAMS, THIS PUBLICATION DESCRIBES PAST AND PRESENT PROGRAMS AND PRESENTS SUGGESTIONS RELATIVE TO FUTURE PROGRAMMING. SPECIFICALLY, THE FOLLOWING ARE DISCUSSED: (1) INFORMAL EDUCATION PROGRAMS (OUTWARD BOUND; THE NATIONAL OUTDOOR LEADERSHIP SCHOOL; AND OTHER INFORMAL PROGRAMS); (2) FORMAL EDUCATION PROGRAMS (COLLEGE LEADERSHIP IN ADVENTURE PROGRAMS--DARTMOUTH, BRIGHAM YOUNG, AND A LIST OF HIGHER EDUCATION INSTITUTIONS CURRENTLY OFFERING ADVENTURE EDUCATION PROGRAMS); (3) PROGRAM DEVELOPMENT (THE WAYS AND MEANS OF PROGRAM JUSTIFICATION AND INITIATION); (4) FUNDING (QUALITY PLANNING, GOVERNMENT GRANTS, AND COMMUNITY AND BUSINESS DONATIONS); (5) EQUIPMENT AND FACILITIES (USED, SURPLUS, STUDENT OWNED, AND HAND MADE EQUIPMENT AND EQUIPMENT COST EFFECTIVENESS, MAINTENANCE, AND SAFETY); (6) FOOD (STUDENT INVOLVED DECISION MAKING AND THE WEIGHT AND COST FACTORS); (7) PROGRAM PLANNING (SITE SELECTION; GROUP SIZE; PROGRAM LENGTH; ECOLOGICAL CONSIDERATIONS; SAFETY; STAFFING AND CERTIFICATION; HUMAN RELATIONS; TECHNICAL SKILLS; STUDENT AND LEADER RESPONSIBILITIES); (8) PROGRAM EVALUATION NEEDS (SCIENTIFIC VS VALUE JUDGMENT EVALUATIONS; EXEMPLARY PROGRAM EVALUATIONS; BEHAVIORAL OBJECTIVES); (9) RECOMMENDATIONS (STANDARDS; MONITORING; TESTING AND RESEARCH; AND INFORMATION COORDINATION). (JC)

ED - ED118339
CH - RC009015
AU - BOTT, KRISTINE ANN; BANNASCH, DONALD MAX
TI - DISCOVERY: GUIDELINES FOR ESTABLISHING AN OUTDOOR EDUCATION PROGRAM IN SPECIAL EDUCATION, ESEA TITLE III PROJECT.
PD - 75
IS - RIE76JUN
IN - MACOMB COUNTY INTERMEDIATE SCHOOL DISTRICT, MOUNT CLEMENS, MICH.
SN - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. PROJECTS TO ADVANCE CREATIVITY IN EDUCATION.
PR - DOCUMENT NOT AVAILABLE FROM EDRS
AV - MACOMB INTERMEDIATE SCHOOL DISTRICT SPECIAL EDUCATION, 44001 GARFIELD ROAD, MT. CLEMENS, MICHIGAN 48043 ($35.00 PER SET--NOT SOLD SEPARATELY)
NO - 500P.; OVERVIEW OF MATERIALS CONTAINED IN MANUAL PRESENTED VIA A SOUND FILMSTRIP WHICH CAN BE OPERATED MANUALLY, OR IF PULSED EQUIPMENT IS AVAILABLE, AUTOMATICALLY
DE - ACADEMIC EDUCATION; CURRICULUM GUIDES; *DISCOVERY LEARNING
DE - ENVIRONMENTAL EDUCATION; EXCEPTIONAL STUDENTS; FILMSTRIPS
DE - *HANDICAPPED STUDENTS; LEARNING ACTIVITIES; *OUTDOOR EDUCATION
DE - *RESIDENT CAMP PROGRAMS; *SPECIAL EDUCATION
ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
ID - *PROJECT DISCOVERY THROUGH OUTDOO
AB - FUNDED THROUGH THE 1965 ELEMENTARY AND SECONDARY EDUCATION ACT (ESEA) TITLE III, THE PROJECT BEGAN SERVING YOUNGSTERS HANDICAPPED EITHER PHYSICALLY, MENTALLY, OR EMOTIONALLY, WHO QUALIFIED FOR SPECIAL EDUCATION SERVICES IN THE FALL OF 1971. AMONG ITS OBJECTIVES WERE TO: (1) IMPROVE THESE YOUNGSTERS' ACHIEVEMENT IN REQULAR SCHOOL SUBJECTS, THEIR SELF-CONCEPTS, INTERPERSONAL RELATIONSHIPS, AND LEISURE SKILL; (2) TRAIN SPECIAL EDUCATION TEACHERS TO USE THE OUTDOORS TO PROVIDE LEARNING OPPORTUNITIES TO THESE YOUNGSTERS; AND (3) TEST AN OUTDOOR EDUCATION MODEL FOR IMPROVING THE LEARNING AND LIVES OF THESE CHILDREN. THE MANUAL AND FILMSTRIPS WERE CREATED TO DISSEMINATE IDEAS WHICH WERE COLLECTED AND FOUND SUCCESSFUL DURING 3 YEARS OF OPERATION. DIVIDED INTO SECTIONS BY TABS FOR EASY REFERENCE, THE MANUAL SUGGESTS METHODS AND PROCEDURES IN THE SEQUENCE NECESSARY TO SET UP AND CARRY OUT AN OUTDOOR LABORATORY EXPERIENCE. AMONG THE TOPICS COVERED ARE: TEACHER IN-SERVICE, PREPLANNING, THE OUTDOOR LABORATORY SITE, SCHEDULES, INSURANCE, TRANSPORTATION, FIRST AID, CAMP RULES, KITCHEN DUTIES, EQUIPMENT, MATH, SCIENCE, SOCIAL STUDIES, LANGUAGE ARTS, MUSIC, PHYSICAL EDUCATION, ARTS AND CRAFTS, FIRE, HIKES AND SCAVENGER HUNTS, RAINY DAY ACTIVITIES, WINTER ACTIVITIES, EVALUATION, DISABILITY CONSIDERATIONS, PERMISSION SLIPS AND HEALTH FORMS, COUNSELORS, AND RESOURCE PEOPLE. (NQ)

ED - ED118342
CH - RC009019
AU - VITALE, JOSEPH A.
TI - OUTDOOR EDUCATION GUIDE-HANDBOOK, WAUKESHA PUBLIC SCHOOLS.
PD - SEP 75
IS - RIE76JUN
IN - WAUKESHA PUBLIC SCHOOLS, WIS.
PR - EDRS PRICE MF-$0.83 HC-$4.67 PLUS POSTAGE
NO - 80P.
DE - *ACTIVITIES; CAMPING; CONCEPT FORMATION; *CURRICULUM GUIDES
DE - *ELEMENTARY EDUCATION; *FIELD TRIPS; LANGUAGE ARTS; LESSON PLANS
DE - MATHEMATICS; *OUTDOOR EDUCATION; PHYSICAL EDUCATION
DE - SCIENCE ACTIVITIES; SENSORY TRAINING; SOCIAL STUDIES
ID - *WISCONSIN (CAMP PHANTOM LAKE)
AB - DESIGNED BY THE WAUKESHA PUBLIC SCHOOLS (WISCONSIN) SPECIFICALLY FOR AN ELEMENTARY LEVEL THREE-DAY CAMPING TRIP AT CAMP PHANTOM LAKE, THIS OUTDOOR EDUCATION GUIDE PRESENTS SOME ACTIVITIES WHICH SUGGEST ADAPTATION. ACTIVITY DIRECTIONS, PLANS, WORKSHEETS, EVALUATION SHEETS, AND ILLUSTRATIONS ARE PRESENTED IN SEQUENTIAL ORDER FOR THE FOLLOWING DISCIPLINES WHICH, BY DESIGN, FREQUENTLY OVERLAP: (1) MATHEMATICS (ACTIVITIES INVOLVING MEASUREMENT OF HEIGHT, DISTANCE, HILLS, TRIANGLES)-; (2) SOCIAL STUDIES (ACTIVITIES INVOLVING MAP AND COMPASS SKILLS VIA USE OF A COMPASS TRAIL); (3) SCIENCE (SCIENTIFIC OBSERVATION USING A "MICRO TRAIL" APPROACH, OBSERVATION TOOLS, AND SENSORY SKILLS); (4) LANGUAGE ARTS (AN ACTIVITY PROGRESSING FROM MEDITATION TO CREATIVE WRITING AND INCLUDING DISCUSSIONS, SKETCHING, WATER COLOR PAINTING, PANTOMIMING, AND POETRY); (5) PHYSICAL EDUCATION (FRISBEE TOSS, RUN AND SUMMERSAULT RELAY, ENDURANCE RACE, FOOTBALL THROW, LEAP FROG, KICKBALL, AND TUG OF WAR). INDICATIVE OF THE VARIETY OF ACTIVITIES PRESENTED ARE: (1) A CANDLELIGHT CEREMONY DESIGNED TO OFFER STUDENTS OPPORTUNITY TO EXPRESS A "GUT" FEELING TO THE GROUP; (2) A SECTION ON WATER POLLUTION TESTING (CHEMICAL ANALYSIS, FILMSTRIP, AND QUESTIONS); (3) A GUIDE TO MAKING A "FRIENDSHIP STICK" (EMPHASIS ON SYMBOLIC SIGNIFICANCE). ALSO INCLUDED ARE A 46-ITEM AWARENESS TEST AND THE NECESSARY SCHOOL FORMS FOR SUCH AN OUTING. (JC)

ED - ED118347
CH - SE013550
AU - SHUGRUE, SYLVIA K., COMP.; LAMBERTON, BERENICE, COMP.
TI - ENVIRONMENTAL EDUCATION IN THE ELEMENTARY SCHOOL. A SELECTION OF ARTICLES REPRINTED FROM SCIENCE AND CHILDREN.
PD - 72
IS - RIE76JUN
IN - NATIONAL SCIENCE TEACHERS ASSOCIATION, WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - NATIONAL SCIENCE TEACHERS ASSOCIATION, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036 (STOCK NUMBER 471-14626, $2.75; DISCOUNTS ON QUANTITY ORDERS)
ND - 50P.
DE - CONSERVATION EDUCATION; *EARTH SCIENCE; *ECOLOGY
DE - *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION; FIELD TRIPS
DE - INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES
DE - OUTDOOR EDUCATION; SCHOOL COMMUNITY PROGRAMS
AB - INCLUDED IN THIS DOCUMENT ARE A SELECTION OF ARTICLES REPRINTED FROM SCIENCE AND CHILDREN. THEY FOCUS ON ENVIRONMENTAL EDUCATION IN THE ELEMENTARY SCHOOL, AND PRESENT A NUMBER OF ENVIRONMENTAL PERSPECTIVES. THOSE CONCERNING GENERAL OR BACKGROUND INFORMATION ARE: AN EXAMINATION OF ENVIRONMENTAL EDUCATION: CHILDREN'S ATTITUDES ABOUT THE ENVIRONMENT; TEACHING RESOURCES IN THE NATIONAL PARKS; AND A SCHOOL/COMMUNITY EFFORT TO PRESERVE AN URBAN ENVIRONMENTAL STUDY AREA. ECOLOGY IS TREATED THROUGH INVESTIGATIONS AT THE INDIVIDUAL LEVEL, POPULATIONS OF ONE SPECIES, COMMUNITIES, AND ECOSYSTEMS. ADAPTING TRADITIONAL ACTIVITIES TO AN ECOLOGICAL APPROACH, EMPHASIZING CONCEPTS OF INTERACTION AND CHANGE, IS SUGGESTED. EARTH SCIENCE EXPERIENCES TO INCREASE AWARENESS OF THE CHILD'S OWN AND NATURAL ENVIORNMENT CENTER ON SITE EXPERIENCES. THEY FOCUS ON ANALYZING SMALL PARTS OF A LARGER ENVIRONEMNT--INVESTIGATING CHANGE, AGE, MOVEMENT, EROSION, DEPOSITION, ETC. THE FIELD TRIP IS PRESENTED UTILIZING A CONCEPTUAL APPROACH TO DEVELOP ENVIRONMENTAL RELATIONSHIPS. SUGGESTED ACTIVITIES FOR CHILDREN FOR OBSERVING THEIR TOWN AS A MAN-DOMINATED BIOTIC COMMUNITY ARE EXAMINING CONSTRUCTION, TREE IDENTIFICATION, SOIL SAMPLES, ZOO TRIPS, FOOD CHAINS, AND SUCCESSION. A CALENDAR FOR TEACHING CONSERVATION ACTIVITIES IS CONSTRUCTED. ONE ARTICLE IS DEVOTED TO THE ASSOCIATIONS BETWEEN NATURE AND CREATIVITY. REFERENCES ARE INCLUDED FOLLOWING SOME ARTICLES. (BP)

ED - ED118360
CH - SE019784
AU - ZUBLER, JOHN R.; HOOVER, NORMAN K.
TI - GUIDELINES FOR PLANNING, DEVELOPING, UTILIZING AND MAINTAINING OUTDOOR ENVIRONMENTAL EDUCATION LABORATORIES.
PD - 75
IS - RIE76JUN
IN - PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG. BUREAU OF VOCATIONAL, TECHNICAL, AND CONTINUING EDUCATION.
IN - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF AGRICULTURE.
PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE
NO - 46P.; TEACHER EDUCATION RESEARCH SERIES, V16 N2 1975
DE - EDUCATIONAL FACILITIES; *ENVIRONMENTAL EDUCATION; *FACILITIES
DE - *FACILITY GUIDELINES; GUIDELINES; NATURE CENTERS
DE - *OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT; RESOURCE CENTERS
AB - THIS PUBLICATION IS DESIGNED TO PROVIDE ASSISTANCE IN THE ACQUISITION OF FACILITIES AND PROGRAM DEVELOPMENT IN ENVIRONMENTAL EDUCATION. THE DESCRIPTIVE MATERIAL IS GROUPED UNDER THREE HEADINGS: PLANNING THE PROGRAM, DEVELOPING THE FACILITY, AND UTILIZING AND MAINTAINING THE OUTDOOR LABORATORY. APPENDICES INCLUDE SOURCES OF ENVIRONMENTAL EDUCATION MATERIALS, EDUCATIONAL LABORATORIES, AND CONSERVATION ORGANIZATIONS. (BP)

ED - ED118362
CH - SE019840
AU - WISHART, A. PAUL, COMP.; CHILDRESS, RONALD, COMP.
TI - A DIRECTORY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENVIRONMENTAL EDUCATION PROGRAMS AND PROJECTS IN THE UNITED STATES.
PD - SEP 75
IS - RIE76JUN
IN - TENNESSEE UNIV., KNOXVILLE. BUREAU OF EDUCATIONAL RESEARCH AND SERVICE.
PR - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE
NO - 51P.
DE - *DIRECTORIES; EDUCATIONAL PROGRAMS; *ELEMENTARY SCHOOLS
DE - *ENVIRONMENTAL EDUCATION; FIELD EXPERIENCE PROGRAMS
DE - *OUTDOOR EDUCATION; PROJECTS; *SECONDARY SCHOOLS
AB - A SURVEY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOL ENVIRONMENTAL PROGRAMS AND PROJECT CURRICULA WAS CONDUCTED BY THE UNIVERSITY OF TENNESSEE AT KNOXVILLE. FROM THE INFORMATION RECEIVED, THIS DIRECTORY WAS COMPILED, THE PURPOSE BEING TO FACILITATE THE ESTABLISHMENT OF A NATIONAL COMMUNICATION AND INFORMATION DELIVERY SYSTEM AMONG OPERATIONAL PROGRAMS AND PROJECTS. THE SOURCES ARE PRESENTED IN TWO SECTIONS. ONE CONTAINS THOSE PROGRAMS AND PROJECTS RESPONDING TO THE SURVEY INSTRUMENT IN THE RESEARCH STUDY. THE SECOND SECTION TREATS PROGRAMS AND PROJECTS WHICH DID NOT RESPOND TO THE SURVEY. ARRANGED ALPHABETICALLY BY STATE, EACH ENTRY PROVIDES THE DIRECTOR/CO-DIRECTOR, PROGRAM OR PROJECT, AND THE ADDRESS. APPENDED MATERIALS ARE ALSO PRESENTED IN TWO SECTIONS. THE FIRST CONTAINS AN ALPHABETICAL LISTING OF STATE EDUCATION AGENCY COORDINATORS FOR ENVIRONMENTAL EDUCATION, WHO IDENTIFIED THEIR PUBLIC SCHOOL PROGRAMS AND PROJECTS APPLICABLE TO THE STUDY POPULATION. ONLY ONE STATE AGENCY REPRESENTATIVE DID NOT RESPOND TO THE SURVEY. THE SECOND APPENDIX IS A LISTING OF ORGANIZATIONS, AGENCIES, AND PERSONS KNOWN TO BE WORKING IN THE FIELD OF ENVIRONMENTAL EDUCATION, FROM WHICH APPLICABLE STUDY PROGRAMS/PROJECTS WERE REQUESTED. MORE THAN TWO THIRDS OF THOSE CONTACTED PROVIDED RESPONSES. (BP)

ED - ED118376
CH - SE020155
AU - HETZEL, GEORGE K.; SMITH, DWIGHT R.
TI - FISHING. UNIT 1, COLORADO DIVISION OF WILDLIFE.
PD - 75
IS - RIE76JUN
IN - COLORADO STATE UNIV., FT. COLLINS. COOPERATIVE EXTENSION SERVICE.
PR - DOCUMENT NOT AVAILABLE FROM EDRS
AV - MS. BARBARA GOFF, 4-H OFFICE, AYLESWORTH HALL NW, COLORADO STATE UNIVERSITY, FORT COLLINS, COLORADO 80523 ($0.69, PLUS SHIPPING AND HANDLING COSTS)
NO - 26P.; FOR RELATED DOCUMENTS, SEE SE 020 154-157
DE - *INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; *NATURAL RESOURCES
DE - OUTDOOR EDUCATION; *RECREATION; STUDENT PROJECTS
DE - WILDLIFE MANAGEMENT
ID - COLORADO; *FISHING
AB - THIS BOOKLET ON FISHING IS PART OF A SERIES DEVELOPED TO ENCOURAGE YOUTH TO PURSUE OUTDOOR PROJECTS. FISH ANATOMY, EQUIPMENT, CASTING TECHNIQUES, KNOT AND LEADER TYING, HOOKS, FISHING AREAS, CLEANING AND COOKING FISH, TYPES OF BAIT, LURES, AND REGULATIONS ARE DISCUSSED AND ILLUSTRATED. SUGGESTED ACTIVITIES AND FIELD TRIPS ARE LISTED. (MP)

ED - ED119958
CH - SE020000
TI - PATHWAYS TO THE OUTDOOR CLASSROOM.
PD - 75
IS - RIE76JUL
IN - MINNESOTA STATE DEPT. OF NATURAL RESOURCES, ST. PAUL. BUREAU OF INFORMATION AND EDUCATION.
PR - DOCUMENT NOT AVAILABLE FROM EDRS
AV - MINNESOTA DEPARTMENT OF NATURAL RESOURCES, BUREAU OF INFORMATION AND EDUCATION, 350 CENTENNIAL OFFICE BUILDING, ST. PAUL, MINNESOTA 55155; ERIC/SMEAC, THE OHIO STATE UNIVERSITY, 1200 CHAMBERS ROAD, 3RD FLOOR, COLUMBUS, OHIO 43212 (ON LOAN)
NO - 42P.; CONTAINS NUMEROUS COLORED PHOTOGRAPHS THAT WILL NOT REPRODUCE WELL
DE - CAMPUS PLANNING; *EDUCATIONAL PARKS; *ENVIRONMENTAL EDUCATION
DE - *OUTDOOR EDUCATION; PARK DESIGN; SITE ANALYSIS; *SITE DEVELOPMENT
DE - SPACE UTILIZATION; *TRAILS
AB - THIS BIBLIOGRAPHY IS DESIGNED TO ASSIST EDUCATORS IN ESTABLISHING AN OUTDOOR CLASSROOM FOR ENVIRONMENTAL EDUCATION. A PROCESS IS DETAILED BY WHICH SCHOOL DISTRICTS CAN EFFECTIVELY AND EFFICIENTLY DEVELOP A SITE ON OR NEAR THE SCHOOL. THE FIRST STEP INVOLVES ORGANIZING A PLANNING COMMITTEE, ENLISTING ADMINISTRATIVE SUPPORT, AND DEVELOPING A BUDGET. IN THE SECOND STEP A SITE IS CHOSEN AND MAPPED WITH THE ASSISTANCE OF THE UNITED STATES GEOLOGICAL SURVEY, SOIL CONSERVATION SERVICE, AND THE DEPARTMENT OF NATURAL RESOURCES. THE BOOKLET LISTS LOCATIONS AND GENERAL FEATURES OF DIFFERENT ECOSYSTEMS: FORESTS, MARSH, SWAMP, BOG, WATER AREAS, MEADOW, PRAIRIE, CULTIVATED LAND, AND STATE-OWNED LAND. IN STEP THREE A COMPOSITE MAP IS DRAWN SHOWING MAJOR PHYSICAL, CULTURAL, AND NATURAL FEATURES. A CHART IS CONSTRUCTED FOR STEP FOUR MATCHING UNITS WITH STUDY LOCATIONS. THE BOOKLET ALSO INCLUDES SUGGESTIONS FOR MANAGING AND MAINTAINING THE SITE, A LIST OF AVAILABLE OUTDOOR ACTIVITIES AND AUDIO-VISUAL MATERIALS, AND A BIBLIOGRAPHY. (MR)

ED - ED119960
CH - SE020012
TI - ELEMENTARY ENVIRONMENTAL LEARNING PACKET K-3, SECOND REVISED EDITION. PRIMARY CEL BLOCKS. TEACHER'S GUIDE .
PD - 75
IS - RIE76JUL
IN - BREVARD COUNTY SCHOOL BOARD, COCOA, FLA.
SN - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE), WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 HC-$7.35 PLUS POSTAGE
NO - 135P.; FOR THE RELATED INTERMEDIATE LEARNING PACKET, SEE SE 020 013
DE - *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION
DE - *INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES; OUTDOOR EDUCATION
DE - *PRIMARY GRADES; SCIENCE ACTIVITIES; *TEACHING GUIDES
ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
AB - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS: PRIMARY AND INTERMEDIATE. THE MATERIAL IN THIS PUBLICATION ENCOMPASSES THE PRIMARY LEVEL. THE LEARNING MATERIALS ARE ACTIVITY-BASED AND INCORPORATE PROCESS AND SUBJECT AREA SKILLS WITH KNOWLEDGE AND CONCERN FOR THE ENVIRONMENT. THE PROGRAM IS ALSO INTERDISCIPLINARY INCLUDING ACTIVITIES AND SKILLS FROM ART, LANGUAGE ARTS, MATHEMATICS, MUSIC, SCIENCE, AND SOCIAL STUDIES. THE ACTIVITIES IN THIS PRIMARY SET CENTER ON SENSORY AWARENESS, BASIC ECOLOGICAL CONCEPTS, AND DEVELOPING POSITIVE ATTITUDES TOWARD THE ENVIRONMENT. THE MATERIALS CONSIST OF STUDENT ACTIVITY CARDS, STUDENT INFORMATION CARDS, AND THE TEACHER'S GUIDE. EACH ACTIVITY CARD INTRODUCES THE ENVIRONMENTAL CONCEPT AND LISTS ACTIVITIES AND AN INFORMAL EVALUATION. THE CARDS ARE NON-GRADED AND NON-SEQUENTIAL. THE TEACHER'S GUIDE CONTAINS OVERALL TEACHING SUGGESTIONS AND SUGGESTIONS BY CARD. IT ALSO INCLUDES REFERENCES FOR EACH CARD AND FOUR INDEXES ON SUBJECT, SUBJECT AREA AND PROCESS SKILLS, INFORMATION CARDS, AND OUTDOOR ACTIVITIES. (AUTHOR/MR)

ED - ED119961
CH - SE020013
TI - ELEMENTARY ENVIRONMENTAL LEARNING PACKET GRADES 4-6, SECOND REVISED EDITION. INTERMEDIATE CEL BLOCKS. TEACHER'S GUIDE .
PD - 75
IS - RIE76JUL
IN - BREVARD COUNTY SCHOOL BOARD, COCOA, FLA.
SN - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE), WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 HC-$8.69 PLUS POSTAGE
NO - 163P.; FOR THE RELATED PRIMARY LEARNING PACKET, SEE SE 020 012
DE - *ELEMENTARY GRADES; *ENVIRONMENTAL EDUCATION
DE - *INSTRUCTIONAL MATERIALS; *INTERMEDIATE GRADES
DE - LEARNING ACTIVITIES; OUTDOOR EDUCATION; SCIENCE ACTIVITIES
DE - *TEACHING GUIDES
ID - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
AB - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS: PRIMARY AND INTERMEDIATE. THE MATERIAL IN THIS PUBLICATION ENCOMPASSES THE INTERMEDIATE LEVEL. THE LEARNING MATERIALS ARE ACTIVITY-BASED AND INCORPORATE PROCESS AND SUBJECT AREA SKILLS WITH KNOWLEDGE AND CONCERN FOR THE ENVIRONMENT. THE PROGRAM IS ALSO INTERDISCIPLINARY INCLUDING ACTIVITIES AND SKILLS FROM ART, LANGUAGE ARTS, MATHEMATICS, MUSIC, SCIENCE, AND SOCIAL STUDIES. THE ACTIVITIES IN THIS INTERMEDIATE SET CENTER ON EXPLORATION OF THE ENVIRONMENT, IDENTIFYING AND SOLVING ENVIRONMENTAL PROBLEMS, AND DEVELOPING POSITIVE ATTITUDES TOWARD THE ENVIRONMENT. THE MATERIALS CONSIST OF STUDENT ACTIVITY CARDS, STUDENT INFORMATION CARDS, AND THE TEACHER'S GUIDE. EACH ACTIVITY CARD LISTS THE ENVIRONMENTAL PROBLEM, SUGGESTIONS FOR INVESTIGATING THE PROBLEM, AND AN INFORMAL EVALUATION. THE CARDS ARE NON-GRADED AND NON-SEQUENTIAL. THE TEACHER'S GUIDE CONTAINS OVERALL TEACHING SUGGESTIONS AND SUGGESTIONS BY CARD. IT ALSO INCLUDES REFERENCES FOR EACH CARD AND FOUR INDEXES ON SUBJECT, SUBJECT AREA AND PROCESS SKILLS, INFORMATION CARDS, AND OUTDOOR ACTIVITIES. (AUTHOR/MR)

ED - ED120014
CH - SE020495
AU - TANNER, R. THOMAS
TI - ECOLOGY, ENVIRONMENT, AND EDUCATION.
PD - 74
IS - RIE76JUL
PR - DOCUMENT NOT AVAILABLE FROM EDRS
AV - PROFESSIONAL EDUCATORS PUBLICATIONS, INC., P. O. BOX 80728, LINCOLN, NEBRASKA 68501 (ISBN 0-88224-073-0, $1.75)
NO - 106P.
DE - CONSERVATION EDUCATION; *ECOLOGY; ELEMENTARY SECONDARY EDUCATION
DE - *ENVIRONMENT; *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS
DE - OUTDOOR EDUCATION; PHILOSOPHY; PROGRAM DESCRIPTIONS
DE - SCIENCE EDUCATION
AB - REVIEWED ARE THE PHILOSOPHY AND STATUS OF ENVIRONMENTAL EDUCATION AND SOME EXAMPLES OF ENVIRONMENTAL EDUCATION PROGRAMS AND MATERIALS. THE INTRODUCTION POSES PROBLEMS FACING MANKIND AND DISCUSSES THE ROLE OF THE ENVIRONMENTAL EDUCATOR IN THEIR SOLUTION. TWO CHAPTERS ARE DEVOTED TO DISCUSSION OF ISSUES IN ENVIRONMENTAL EDUCATION. AMONG THE ISSUES DISCUSSED ARE: "THE PLACE OF ENVIRONMENTAL EDUCATION IN THE SCHOOL CURRICULUM," "THE SCOPE AND DEFINITION OF ENVIRONMENTAL EDUCATION," "URBAN ENVIRONMENTAL EDUCATION," "COGNITIVE VERSUS AFFECTIVE DOMAINS IN ENVIRONMENTAL EDUCATION," AND "ENVIRONMENTAL EDUCATION VERSUS CONSERVATION EDUCATION." A CHAPTER IS DEVOTED TO DESCRIPTIONS OF FUNCTIONING ENVIRONMENTAL EDUCATION PROGRAMS AND SUGGESTED INSTRUCTIONAL MATERIALS WHICH ARE REVIEWED AND CRITIQUED. THE FINAL CHAPTER DISCUSSES PROFESSIONAL DEVELOPMENT IN ENVIRONMENTAL EDUCATION. AMONG THE TOPICS CONSIDERED IN THIS CHAPTER ARE: "A TEACHER WORKSHOP IN ENVIRONMENTAL EDUCATION," "JOBS IN ENVIRONMENTAL EDUCATION," "RESEARCH IN ENVIRONMENTAL EDUCATION," AND "PROFESSIONAL READING." A CONCLUSION AND SUMMARY ARE DEVOTED TO THE AUTHOR'S OBSERVATIONS ON THE STATUS FUTURE OF ENVIRONMENTAL EDUCATION. FOOTNOTES AND A BIBLIOGRAPHY ARE INCLUDED. (RE)

ED - ED121051
CH - EC082840
AU - SIE, MAUREEN A.; AND OTHERS
TI - AN EDUCATIONAL ALTERNATIVE FOR SPECIAL EDUCATION.
PD - APR 76
IS - RIE76AUG
IN - MACOMB COUNTY INTERMEDIATE SCHOOL DISTRICT, MOUNT CLEMENS, MICH.
PR - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE
NO - 58P.; PAPER PRESENTED AT THE 1976 MEETING OF THE AMERICAN EDUCATION RESEARCH ASSOCIATION (SAN FRANCISCO, CALIFORNIA, SESSION 28.12)
DE - CAMPING; ELEMENTARY SECONDARY EDUCATION
DE - EXCEPTIONAL CHILD EDUCATION; *HANDICAPPED CHILDREN
DE - INSERVICE TEACHER EDUCATION; *OUTDOOR EDUCATION
DE - *PROGRAM DESCRIPTIONS; *PROGRAM EVALUATION; *TESTING
AB - DESCRIBED IS A 4-YEAR PROJECT WHICH PROVIDES 3-DAY OUTDOOR EDUCATION EXPERIENCES FOR ORTHOPEDICALLY HANDICAPPED, TRAINABLE AND EDUCABLE MENTALLY HANDICAPPED, HEARING IMPAIRED, AND PHYSICALLY IMPAIRED STUDENTS FROM 3 TO 24 YEARS OF AGE. THE FOLLOWING PROGRAM OBJECTIVES ARE DESCRIBED: (1) TO IMPROVE ACHIEVEMENT IN REGULAR SCHOOL SUBJECTS, SELF CONCEPTS, INTERPERSONAL RELATIONSHIPS, AND LEISURE SKILLS; (2) TO TRAIN SPECIAL EDUCATION TEACHERS IN OUTDOOR EDUCATION SKILLS; (3) TO TEST AN OUTDOOR EDUCATION MODEL WITH HANDICAPPED CHILDREN; AND (4) TO EDUCATE AND INVOLVE PARENTS OF HANDICAPPED CHILDREN. THE PROJECT IS REPORTED TO HAVE DEVELOPED A HANDBOOK ON OUTDOOR EDUCATION DEALING WITH DAILY LIVING SKILLS, ARITHMETIC, SCIENCE, SOCIAL STUDIES, LANGUAGE ARTS, MUSIC, AND PHYSICAL EDUCATION. RESULTS OF PROGRAM EVALUATION AFTER THE THIRD YEAR ARE REPORTED TO SHOW THE TEACHER TRAINING COMPONENT TO BE HIGHLY SUCCESSFUL, THE LEARNING SESSIONS FOR THE VARIOUS HANDICAPPED GROUPS TO MEET THE STATED OBJECTIVES, AND STATISTICALLY SIGNIFICANT GAINS IN BASIC CONCEPTS FOR THE TRAINABLES IN THE EXPERIMENTAL GROUP. APPENDED ARE AN INSTRUMENT FOR THE TEACHER WORKSHOP ON OUTDOOR EDUCATION, TEACHER MADE CAMP TESTS FOR EACH EXCEPTIONALITY, AND INSTRUMENTS TO EVALUATE AFFECTIVE AND PSYCHOMOTOR DOMAINS. (AUTHOR/DB)

ED - ED121628
CH - SE020820
AU - DISINGER, JOHN F., ED.; BOWMAN, MARY LYNNE, ED.
TI - ENVIRONMENTAL EDUCATION 1975: A STATE-BY-STATE REPORT.
PD - DEC 75
IS - RIE76AUG
IN - ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE, MATHEMATICS, AND ENVIRONMENTAL EDUCATION, COLUMBUS, OHIO.
SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 HC-$16.73 PLUS POSTAGE
AV - INFORMATION REFERENCE CENTER (ERIC/IRC), THE OHIO STATE UNIVERSITY, 1200 CHAMBERS ROAD, 3RD FLOOR, COLUMBUS, OHIO 43212 ($6.50)
NO - 324P.; FOR VOLUMES 1-5, SEE ED 085 262, ED 086 513-515, AND ED 087 624
DE - BIBLIOGRAPHIES; COLLEGE SCIENCE; *DIRECTORIES
DE - *EDUCATIONAL PROGRAMS; *ENVIRONMENTAL EDUCATION; HUMAN RESOURCES
DE - INSTRUCTIONAL MATERIALS; OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS
DE - RESOURCE MATERIALS; SCIENCE EDUCATION; *STATE PROGRAMS
AB - THIS COMPILATION DEALS WITH CURRENT PROGRAMS IN ENVIRONMENTAL EDUCATION IN ALL 50 STATES, THE DISTRICT OF COLUMBIA, AND THE TERRITORY OF GUAM. ARRANGED STATE-BY-STATE, THIS VOLUME DETAILS SUCH INFORMATION AS: STATE PLANS FOR ENVIRONMENTAL EDUCATION, ENVIRONMENTAL EDUCATION LEGISLATION, TEACHER CERTIFICATION, STATE COORDINATORS FOR ENVIRONMENTAL EDUCATION, STATE ENVIRONMENTAL EDUCATION PUBLICATIONS AND SOURCES, EXEMPLARY STATE PUBLIC SCHOOL PROGRAMS IN ENVIRONMENTAL EDUCATION, COLLEGE AND UNIVERSITY ACTIVITIES IN ENVIRONMENTAL EDUCATION, AND ACTIVITIES IN ENVIRONMENTAL EDUCATION BY RESPECTIVE STATE RESOURCES AGENCIES. THE STATE-BY-STATE REPORTS ARE PREFACED BY A BRIEF REVIEW OF THE DOCUMENT'S PREPARATION AND RECOMMENDATIONS FOR ITS APPLICATION. A LIST OF DOCUMENTS MAINTAINED IN THE ERIC COLLECTION AND PRODUCED BY STATE AGENCIES APPENDS THE DOCUMENT. THE MANUSCRIPT WAS PREPARED AND REVIEWED BY MEMBERS OF THE STATE COORDINATORS FOR ENVIRONMENTAL EDUCATION AND THE VARIOUS STATE DEPARTMENTS OF EDUCATION ALONG WITH THE NATIONAL INSTITUTE OF EDUCATION. (RE)

ED - ED121793
CH - SP010058
AU - BARRY, PATRICIA E., ED.
TI - IDEAS FOR SECONDARY SCHOOL PHYSICAL EDUCATION.
PD - 76
IS - RIE76AUG
IN - AMERICAN ALLIANCE FOR HEALTH, PHYSICAL EDUCATION, AND RECREATION, WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - THE AMERICAN ALLIANCE FOR HEALTH, PHYSICAL EDUCATION, AND RECREATION, 1201 SIXTEENTH STREET, N.W., WASHINGTON, D.C. 20036
NO - 102P.
DE - CAREER PLANNING; ENVIRONMENTAL EDUCATION
DE - INDIVIDUALIZED INSTRUCTION; LIFETIME SPORTS
DE - MOTIVATION TECHNIQUES; OUTDOOR EDUCATION; *PHYSICAL EDUCATION
DE - *PHYSICAL RECREATION PROGRAMS; *PROGRAM DESCRIPTIONS; RECREATION
DE - *SECONDARY EDUCATION
AB - THIS BOOK CONTAINS DESCRIPTIONS OF SECONDARY SCHOOL PHYSICAL EDUCATION PROGRAMS. THE PROGRAMS DESCRIBED FALL INTO THE FOLLOWING CATEGORIES: (1) CAREER/LEADERSHIP PROGRAMS, (2) CONTRACT/INDIVIDUALIZED INSTRUCTION PROGRAMS, (3) ELECTIVE PHYSICAL EDUCATION PROGRAMS, (4) MOTIVATIONAL PROGRAMS, (5) OUTDOOR/ENVIRONMENTAL PROGRAMS, (6) RECREATIONAL/LIFETIME ACTIVITIES PROGRAMS, AND (7) TEACHER AID PROGRAMS. EACH DESCRIPTION CONTAINS THE NAME OF THE PERSON SUBMITTING THE PROGRAM DESCRIPTION, THE NAME OF THE SCHOOL, A SUMMARY AND AN OUTLINE OF THE PROGRAM, A PROGRAM DESCRIPTION, CONDITIONS SPECIFIC TO THE PROGRAM, AN EVALUATION, AND SPECIFIC COMMENTS. SOME OF THE PROGRAM TOPICS INCLUDE CAREERS IN PHYSICAL EDUCATION; PHYSICAL EDUCATION AND RECREATION LEADERSHIP TRAINING; MODERN DANCE; CYCLING; THE PHYSICAL, EMOTIONAL, AND LEGAL ASPECTS OF PREGNANCY AND CHILD CARE; AND SELF DEFENSE. (RC)

ED - ED122969
CH - PS008624
AU - NICKELSBURG, JANET
TI - NATURE ACTIVITIES FOR EARLY CHILDHOOD.
PD - 76
IS - RIE76SEP
PR - DOCUMEMT NOT AVAILABLE FROM EDRS.
AV - ADDISON-WESLEY PUBLISHING COMPANY, SAND HILL ROAD, MENLO PARK, CALIFORNIA 94025 (PAPER, $7.50)
ND - 158P.
DE - *CURRICULUM GUIDES; *EARLY CHILDHOOD EDUCATION
DE - ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS
DE - *NATURAL SCIENCES; OUTDOOR EDUCATION; PERCEPTUAL DEVELOPMENT
DE - RESOURCE GUIDES; *SCIENCE ACTIVITIES; *SCIENCE INSTRUCTION
AB - THIS MANUAL CONTAINS 44 SEPARATE PROJECTS WHICH ARE DESIGNED TO HELP TEACHERS AND PARENTS PROVIDE YOUNG CHILDREN (IN KINDERGARTEN THROUGH SECOND GRADE) WITH EXPERIENCES IN OBSERVING NATURAL PHENOMENA, PLANTS, AND ANIMALS. EACH PROJECT CENTERS AROUND AN ACTIVITIES SECTION PREFACED WITH SCIENTIFIC INFORMATION MEANT TO PROVIDE THE TEACHING ADULT WITH FURTHER BACKGROUND. LISTS OF HELPFUL MATERIALS ARE INCLUDED, ALONG WITH KEY VOCABULARY WORDS FOR THE CHILDREN TO LEARN. PROJECTS INCLUDE SUGGESTIONS ON WHERE TO FIND THE PLANTS AND ANIMALS OBSERVED AND HOW TO CARE FOR THEM. PROJECTS ARE DIVIDED INTO SIX SECTIONS INCLUDING OUTDOOR GROUP PROJECTS, PROJECTS WITH SMALL ANIMALS, INDOOR PROJECTS, WATCHING THINGS, LOOKING FOR THINGS IN THE GROUND, AND PROJECTS WITH PLANTS. EACH SECTION ENDS WITH A BIBLIOGRAPHY FOR BOTH CHILDREN AND ADULTS. THE TEXT IS ILLUSTRATED WITH PHOTOGRAPHS AND DRAWINGS. (SB)

ED - ED122993
CH - RC009179
TI - OUTDOOR EDUCATION IN THE BATTLE CREEK PUBLIC SCHOOLS.
IS - RIE76SEP
IN - BATTLE CREEK PUBLIC SCHOOLS, MICH.
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
NO - 11P.
DE - ANIMAL SCIENCE; DAY PROGRAMS; ECOLOGY; *EDUCATIONAL PHILOSOPHY
DE - *ELEMENTARY EDUCATION; *FACILITIES; GEOGRAPHY; HORTICULTURE
DE - INTERDISCIPLINARY APPROACH; *OUTDOOR EDUCATION
DE - *PROGRAM DESCRIPTIONS; RESIDENTIAL PROGRAMS; SOIL SCIENCE
DE - YEAR ROUND SCHOOLS
ID - *BATTLE CREEK PUBLIC SCHOOLS; MICHIGAN (BATTLE CREEK)
AB - PRESENTING A BRIEF OVERVIEW OF THE HISTORICAL DEVELOPMENT, PHILOSOPHY, PROGRAMS, AND FACILITIES OF THE BATTLE CREEK PUBLIC SCHOOLS' YEAR-ROUND OUTDOOR EDUCATION CENTER, THIS DOCUMENT ALSO DETAILS FOUR CURRENT PROGRAMS AS FOLLOWS: (1) A 30-WEEK RESIDENT OUTDOOR SCHOOL PROGRAM FOR FIFTH AND SIXTH GRADE STUDENTS; (2) A 25-WEEK FARM-GARDEN PROGRAM FOR THIRD AND FOURTH GRADE STUDENTS, WHEREIN, WEEKLY VISITS ARE BEGUN DURING THE SCHOOL YEAR, ENCOURAGED ON A VOLUNTARY BASIS DURING THE SUMMER AND PICKED UP AGAIN DURING THE FALL; (3) A SEVEN-WEEK PIONEER CABIN PROGRAM FOR THIRD GRADE STUDENTS, INVOLVING A SINGLE FULL DAY OF PIONEER ACTIVITIES IN AND AROUND AN AUTHENTIC CABIN; (4) A FOUR-WEEK BARNYARD EXPERIENCE PROGRAM FOR FIRST GRADERS, DESIGNED TO COINCIDE WITH A UNIT ON FARM ANIMALS TAUGHT BY CLASSROOM TEACHERS DURING THE SPRING. THE PHILOSOPHY OF THE OUTDOOR CENTER IS DESCRIBED AS AN ATTEMPT TO EDUCATE CHILDREN "IN" AND "FOR" THE OUT-OF-DOORS VIA AN INTERDISCIPLINARY APPROACH AND DIRECT EXPERIENCE IN AREAS SUCH AS PLANT BIOLOGY, SOIL SCIENCE, HORTICULTURE, ANIMAL HUSBANDRY, GEOGRAPHY, AND ECOLOGY. THE OUTDOOR CENTER IS DESCRIBED AS ACCOMMODATING ABOUT 5,000 STUDENTS ANNUALLY ON ITS 140 ACRE SITE VIA A PERMANENT 12-PERSON STAFF AND A FULL COMPLEMENT OF BUILDINGS AND OTHER FACILITIES DESIGNED TO ENHANCE THE OUTDOOR INSTRUCTIONAL PROGRAMS. (JC)

ED - ED123055
CH - SE020403
AU - REILLY, DENNIS
TI - CORRELATED ENRICHMENT ENVIRONMENTAL ACTIVITIES FOR THE S.A.P.A. CURRICULUM KITS A THROUGH D.
PD - MAY 73
IS - RIE76SEP
IN - DEL MOD SYSTEM, DOVER, DEL.
SN - NATIONAL SCIENCE FOUNDATION, WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 HC-$7.35 PLUS POSTAGE
CG - NSF-GW-6703
AV - MR. JOHN R. REIHER, STATE SUPERVISOR OF SCIENCE AND ENVIRONMENTAL EDUCATION, DEPT. OF PUBLIC INSTRUCTION, JOHN G. TOWNSEND BUILDING, DOVER, DELAWARE 19901 (FREE WHILE SUPPLY LASTS)
NO - 139P.; OCCASIONAL MARGINAL LEGIBILITY
DE - *ELEMENTARY SCHOOL SCIENCE; ENRICHMENT ACTIVITIES
DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
DE - LEARNING ACTIVITIES; OUTDOOR EDUCATION; *PRIMARY GRADES
DE - *SCIENCE ACTIVITIES
ID - DEL MOD SYSTEM; SAPA; SCIENCE A PROCESS APPROACH
AB - THESE ENVIRONMENTAL ENRICHMENT ACTIVITIES WERE WRITTEN BY TEACHERS AND CONSULTANTS IN WORKSHOPS AND INSTITUTES. THE ACTIVITIES ARE APPROPRIATE FOR K-3. FOR EACH LEVEL THE SEQUENCE OF ORIGINAL ACTIVITIES INCLUDING THE NEW ENVIRONMENTAL ACTIVITIES IS LISTED. GENERAL OBJECTIVES FOR THE LEVEL ARE GIVEN. THE ENRICHMENT ACTIVITIES LIST MATERIALS, OBJECTIVES, TRIP PROCEDURES AND QUESTIONS, AND AUDIOVISUAL MATERIALS. THE ACTIVITIES WERE DEVELOPED FOR FIELD WORK AS PART OF OUTDOOR EDUCATION. (MR)

ED - ED124365
CH - RC009267
AU - MEYER, DAN; MEYER, DIANE
TI - TO KNOW BY EXPERIENCE: OUTWARD BOUND, NORTH CAROLINA.
PD - 73
IS - RIE76OCT
IN - OUTWARD BOUND, MORGANTON, N.C.
PR - DOCUMENT NOT AVAILABLE FROM EDRS.
AV - NORTH CAROLINA OB SCHOOL, BOX 817, MORGANTON, NORTH CAROLINA 28655 ($10.00)
NO - 136P.
DE - *ACTIVITY LEARNING; CAMPING; *DISCOVERY LEARNING
DE - EDUCATIONAL EXPERIENCE; ENRICHMENT EXPERIENCE; GROUP ACTIVITIES
DE - HISTORY; LEARNING EXPERIENCE; *OUTDOOR EDUCATION
DE - *PARTICIPANT SATISFACTION; PHOTOGRAPHS; *PROGRAM ATTITUDES
DE - TEAMWORK
ID - *NORTH CAROLINA; *OUTWARD BOUND
AB - DIRECTED AT DISCOVERING ONE'S INNER RESOURCES AND THE DIGNITY OF ONE'S FELLOW MAN, THE OUTWARD BOUND EXPERIENCE SEEKS TO INSTILL SELF-RELIANCE, PHYSICAL FITNESS, AND COMPASSION AS FUNDAMENTAL VALUES RECOGNIZING THERE ARE FEW OPPORTUNITIES TO FORMULATE SUCH VALUES IN AN INCREASINGLY TECHNOLOGICAL AND URBANIZED SOCIETY. FOR 3 1/2 WEEKS, PEOPLE FROM ALL WALKS OF LIFE ARE BROUGHT TOGETHER TO SHARE THE CHALLENGES OF ELEMENTAL SETTINGS. UPON ARRIVAL, PARTICIPANTS ARE ASSIGNED TO A SMALL CREW WITH WHOM THE EXPERIENCE IS SHARED. ACTIVITIES ARE DIVIDED INTO: INSTRUCTION--TO DEVELOP PHYSICAL CONDITIONING AND THE NECESSARY SKILLS AND TEAMWORK TO ENABLE THE CREW TO CARRY OUT SUBSEQUENT ACTIVITIES UNDER PROGRESSIVELY LESS SUPERVISION; EXPEDITION--TO REFINE TECHNIQUES AND BUILD CONFIDENCE AND TRUST WITHIN THE INDIVIDUALS AND IN THE CREW; SOLO--TO AFFORD EACH INDIVIDUAL A CHANCE TO REFLECT AND CONSIDER THE PAST AND FUTURE; SERVICE--TO EXPERIENCE THE MANIFOLD BENEFITS OF GIVING OF ONE'S SELF; AND CONCLUSION--TO ALLOW THE CREW TO BECOME TOTALLY RESPONSIBLE FOR SETTING GOALS, RESOLVING DIFFICULTIES, AND SAFELY CARRYING THROUGH ITS PLAN. THIS BOOK GRAPHICALLY CONVEYS THE OUTWARD BOUND EXPERIENCE THROUGH MORE THAN 80 PHOTOGRAPHS WITH ACCOMPANYING QUOTATIONS FROM PARTICIPANTS. THE PURPOSE OF ROCK CLIMBING, BACKPACKING AND WHITE WATER EXPEDITIONS, SOLO AND OTHER ACTIVITIES IS DESCRIBED. A HISTORY OF HOW THE SCHOOL CAME INTO BEING AS ONE OF SEVEN IN THE UNITED STATES IS PROVIDED. (NQ)

ED - ED125838
CH - RC009325
AU - PETERS, RICHARD O.
TI - STRATEGIES TO AFFECT STUDENT SENSORY AWARENESS OF THE ENVIRONMENT IN A RURAL SCHOOLS SETTING: KINDERGARTEN THROUGH GRADE THREE.
PD - JUL 76
IS - RIE76NOV
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
NO - 15P.
DE - *ACTIVITIES; CONCEPT FORMATION; EARLY CHILDHOOD EDUCATION
DE - ENVIRONMENTAL EDUCATION; GUIDES; *LESSON PLANS
DE - MATHEMATICAL CONCEPTS; *OUTDOOR EDUCATION; *PRIMARY EDUCATION
DE - *RURAL AREAS; SCIENCE INSTRUCTION; *SENSORY EXPERIENCE
AB - PRESENTING EIGHT SAMPLE ENVIRONMENTAL EDUCATION SENSORY LESSONS DESIGNED FOR K-3 STUDENTS IN RURAL AREAS, THIS GUIDE BRIEFLY DETAILS THE RATIONALE AND MEANS FOR DEVELOPING PROXIMITY CONGRUENCE BETWEEN STUDENTS AND LIFE SPACE PHENOMENA. FIELD TRIPS, NATURE WALKS, SITE STUDIES, AND OTHER OUTDOOR ACTIVITIES ARE BRIEFLY DISCUSSED. THE FORMAT OF EACH SAMPLE SENSORY LESSON INCLUDES: AN ACTIVITY FOCUS; GRADE RANGE; CONCEPT; PURPOSE; AND NUMEROUS SUGGESTED ACTIVITIES. THE AREAS OF FOCUS INCLUDE: SENSES; SHAPE AND FORM; TREES; LIVING THINGS; LOCAL BIRDS; PLANTS AND ANIMALS; EARLY SPRING FLOWERS; AND POND LIFE. EXEMPLARY ACTIVITIES INCLUDE: FINDING MAN-MADE GEOMETRIC FORMS SUCH AS BUILDINGS, SIGNS, FENCES, ETC. AND IDENTIFYING THEIR SHAPES; ADOPTING A TREE AND STUDYING IT THROUGHOUT THE YEAR; GOING ON A TREASURE HUNT TO LOOK FOR NATURAL TREASURES; MAKING A NEST, FEATHER, AND BIRD PRINT COLLECTION; MAKING AN ANT FARM AND CARRYING OUT RESEARCH ORIENTED ACTIVITIES; COLLECTING SNAILS AND COMPARING THE BEHAVIOR OF THE CAPTIVE SNAIL WITH THAT OF THE WILD SNAIL; ETC. (JC)

ED - ED125841
CH - RC009329
AU - VAN DER SMISSEN, BETTY, COMP.
TI - RESEARCH CAMPING AND ENVIRONMENTAL EDUCATION. PROCEEDINGS FROM THE NATIONAL RESEARCH WORKSHOP (PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, DECEMBER 3-6, 1975). PENN STATE HPER SERIES NO. 11.
PD - 76
IS - RIE76NOV
IN - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF HEALTH AND PHYSICAL EDUCATION.
PR - DOCUMENT NOT AVAILABLE FROM EDRS.
AV - PENN STATE HPER SERIES, 275 RECREATION BUILDING, UNIVERSITY PARK, PENNSYLVANIA 16802 ($10.00)
NO - 508P.
DE - BEHAVIOR; BIBLIOGRAPHIES; *CAMPING; CONFERENCE REPORTS
DE - EDUCATIONAL ASSESSMENT; ENRICHMENT EXPERIENCE
DE - *ENVIRONMENTAL EDUCATION; ENVIRONMENTAL RESEARCH
DE - *EVALUATION METHODS; EXCEPTIONAL (ATYPICAL); HUMAN RELATIONS
DE - LEADERSHIP STYLES; *OUTDOOR EDUCATION; *PROGRAM EVALUATION
DE - *RESEARCH UTILIZATION; RESIDENT CAMP PROGRAMS
DE - RESIDENTIAL PROGRAMS; SELF CONCEPT; SOCIAL BEHAVIOR
AB - ATTENDED BY 250 PERSONS, THE WORKSHOP WAS DIRECTED TOWARD ASSESSING PARTICIPANT OUTCOMES OF RESIDENT OUTDOOR EXPERIENCES, EFFECTIVENESS OF CAMPING AND ENVIRONMENTAL EDUCATION PROGRAMS, AND LEADERSHIP STRATEGIES RELATED TO QUALITY OUTDOOR EXPERIENCES. ITS KEYNOTE THEME WAS "THE DYNAMICS OF RESEARCH". FOCUS WAS ON THE UTILIZATION OF RESEARCH AND THE TECHNIQUES RESEARCHERS AND PROGRAM STAFF AND ADMINISTRATORS USE IN THE EVALUATION OF CAMPING AND ENVIRONMENTAL EDUCATION RESIDENT PROGRAMS. PROGRAM FORMAT WAS DESIGNED TO FACILITATE INTERACTION BETWEEN RESEARCHERS AND PROGRAM OPERATORS FOR THE PURPOSE OF SHARING RESEARCH FINDINGS, TECHNIQUES, AND PROBLEMS. THE PROGRAM WAS ORGANIZED ACCORDING TO FIVE THEMES--ENVIRONMENTAL ACTIONS AND UNDERSTANDING, SOCIAL INTERACTIONS, ENHANCEMENT OF INDIVIDUALS, LEADERSHIP STRATEGIES, AND OPERATIONAL PROGRAMS OF EVALUATION. ORGANIZED ACCORDING TO THESE FIVE THEMES, THIS PROCEEDINGS PRESENTS 26 MANUSCRIPTS PREPARED BY THE SPEAKERS. A 330-ITEM BIBLIOGRAPHY IS INCLUDED. AUGMENTING THE REFERENCES LISTED THROUGHOUT THE PROCEEDINGS, THE CITATIONS COVER SUCH TOPICS AS ATTITUDES AND VALUES, PEER RELATIONSHIPS, CROSS-CULTURAL AND RACIAL INTEGRATION, SELF-CONCEPT, SOCIAL ADJUSTMENT, ADVENTURE ACTIVITIES, SPECIAL POPULATION AND NORMAL PEOPLE RELATIONSHIPS, EMOTIONALLY DISTURBED, MENTALLY RETARDED, AND COUNSELOR INFLUENCES UPON CAMPERS. A ROSTER OF PARTICIPANTS AND SPEAKERS IS INCLUDED. (NQ)

ED - ED125852
CH - SE019196
AU - WERT, JONATHAN M.
TI - DEVELOPING ENVIRONMENTAL STUDY AREAS.
PD - AUG 74
IS - RIE76NOV
IN - TENNESSEE VALLEY AUTHORITY, KNOXVILLE.
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
NO - 19P.
DE - *CURRICULUM DEVELOPMENT; CURRICULUM GUIDES
DE - *EDUCATIONAL RESOURCES; *ENVIRONMENTAL EDUCATION
DE - ENVIRONMENTAL INFLUENCES; NATURAL RESOURCES; OUTDOOR EDUCATION
DE - *REFERENCE MATERIALS; RESOURCE MATERIALS; *STUDY CENTERS
AB - THIS PUBLICATION IS DESIGNED TO HELP THE TEACHER IN DEVELOPING ENVIRONMENTAL STUDY AREAS. NUMEROUS EXAMPLES OF STUDY AREAS, INCLUDING AIRPORTS, LAKES, SHOPPING CENTERS, AND ZOOS, ARE LISTED. A CURRENT DEFINITION OF ENVIRONMENTAL STUDY AREAS IS GIVEN AND GUIDELINES FOR THEIR DEVELOPMENT AND IDENTIFICATION ARE INCLUDED. THE APPENDIX, WHICH COMPRISES MOST OF THE PAGES OF THE BOOKLET, CONTAINS AN OUTDOOR ENVIRONMENTAL STUDY AREA INVENTORY AND EVALUATION FORM, AND A SELECTED BIBLIOGRAPHY OF MATERIALS FOR PLANNING SCHOOL SITES OR OUTDOOR LABORATORIES. (MA)

ED - ED125855
CH - SE019199
AU - CRIDER, TOM, ED.
TI - THE STRANDS WALK.
PD - 72
IS - RIE76NOV
IN - NATIONAL PARK SERVICE (DEPT. OF INTERIOR), WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
AV - MUIR WOODS--POINT REYES NATURAL HISTORY ASSOCIATION, POINT REYES NATIONAL SEASHORE, POINT REYES, CALIFORNIA 94956
ND - 18P.
DE - CURRICULUM DESIGN; ECOLOGY; *EDUCATIONAL RESOURCES
DE - ELEMENTARY SECONDARY EDUCATION; *ENVIRONMENTAL EDUCATION
DE - *INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; NATURAL RESOURCES
DE - *OUTDOOR EDUCATION; SCIENCE EDUCATION
AB - THE STRANDS WALK IS A SIMPLE FIELD TRIP ACTIVITY DESIGNED TO ACQUAINT STUDENTS WITH AN UNFAMILIAR AREA AND WITH EACH OTHER. THE TEACHER'S ROLE IN THIS ACTIVITY IS TO HELP THE STUDENTS EXPRESS WHAT THEY OBSERVE, EXPERIENCE, AND QUESTION. METHODS OF STUDY AND CONCEPTS FOR EMPHASIS ARE INCLUDED IN THIS PUBLICATION. A MAJOR PORTION OF THE BOOKLET IS DEVOTED TO THE STUDENT TASK FORMS. EACH TASK IS BASED ON ONE OF THE STRANDS CONCEPTS OF THE NATIONAL PARK SERVICE'S ENVIRONMENTAL EDUCATION PROGRAM: VARIETY AND SIMILARITY; PATTERNS; INTERACTION AND INTERDEPENDENCE; CONTINUITY AND CHANGE; AND EVOLUTION AND ADAPTATION. THREE ADDITIONAL TASKS CONCERN PROBLEM FOCUS. IN A FINAL SECTION TO THE TEACHER, THERE ARE BEHAVIOR OBJECTIVES ASSOCIATED WITH THE ACTIVITY AND AN ILLUSTRATION OF THE DATA-THEORY CYCLE. (MA)

ED - ED125856
CH - SE019200
AU - PETERS, RICHARD
TI - HOW TO TAKE THE CLASSROOM OUT INTO THE ENVIRONMENT: A RESOURCE GUIDE.
PD - 75
IS - RIE76NOV
PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
NO - 26P.
DE - DIRECTORIES; EDUCATIONAL RESOURCES
DE - *ELEMENTARY SECONDARY EDUCATION; *ENVIRONMENTAL EDUCATION
DE - INSTRUCTIONAL MATERIALS; NATURAL RESOURCES; *OUTDOOR EDUCATION
DE - REFERENCE MATERIALS; *RESOURCE GUIDES; RESOURCE MATERIALS
DE - *SCIENCE EDUCATION
AB - THE PURPOSE OF THIS RESOURCE GUIDE IS TO INTRODUCE TEACHERS TO A VARIETY OF INSTRUCTIONAL STRATEGIES AND THEN RELATE THESE EXPERIENCES TO BOTH NATURAL AND SOCIAL ENVIRONMENTAL PHENOMENA AND SETTINGS. IT IS DIVIDED INTO SIX MAJOR PARTS. THE FIRST IS CONCERNED WITH DEVELOPING STUDENT AWARENESS OF THE OUTDOORS THROUGH A NUMBER OF METHODS, INCLUDING GUEST SPEAKERS AND CLASSROOM PROJECTS. THE SECOND PART GIVES THE TEACHER GUIDELINES FOR RELATING THE CLASSROOM TO THE OUTDOORS. THE FOLLOWING SECTIONS ARE CONCERNED WITH THE LISTINGS OF NUMEROUS RESOURCES: INSTRUCTIONAL MATERIALS AND RESOURCES, ENVIRONMENTAL EDUCATION TEACHER TRAINING PROGRAMS, AND RELATED TELEVISION SERIES. THESE FOUR PARTS COMPRISE OVER HALF OF THE GUIDE. (AUTHOR/MA)

ED - ED125868
CH - SE020232
AU - WHEATLEY, JOHN H.; COON, HERBERT L.
TI - TEACHING ACTIVITIES IN ENVIRONMENTAL EDUCATION. VOLUME III - 1975.
PD - 75
IS - RIE76NOV
IN - ERIC INFORMATION ANALYSIS CENTER FOR SCIENCE, MATHEMATICS, AND ENVIRONMENTAL EDUCATION, COLUMBUS, OHIO.
SN - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
PR - EDRS PRICE MF-$0.83 HC-$10.03 PLUS POSTAGE.
AV - OHIO STATE UNIVERSITY, CENTER FOR SCIENCE AND MATHEMATICS EDUCATION, 244 ARPS HALL, COLUMBUS, OHIO 43210 ($4.00)
NO - 195P.; FOR VOLUMES I AND II OF THIS SERIES, SEE ED 091 172 AND ED 102 031
DE - CONSERVATION EDUCATION; *ELEMENTARY SECONDARY EDUCATION
DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
DE - INTERDISCIPLINARY APPROACH; *LEARNING ACTIVITIES
DE - NATURAL RESOURCES; OUTDOOR EDUCATION; *SCIENCE EDUCATION
DE - TEACHING GUIDES
AB - THIS VOLUME IS THE THIRD IN A SERIES OF LEARNING ACTIVITIES DESIGNED TO SUPPLEMENT A K-12 CURRICULUM. THE ACTIVITIES ARE INTERDISCIPLINARY IN NATURE AND INCLUDE TOPICS IN SCIENCE, MATHEMATICS, SOCIAL STUDIES, LANGUAGE ARTS, AND FINE ARTS. BESIDES A DIVISION OF ACTIVITIES ACCORDING TO GRADE AND SUBJECT MATTER, THEY ARE ALSO GROUPED BY ENVIRONMENTAL CONCEPTS THAT INCLUDE THE BIOPHYSICAL, SOCIOCULTURAL, MANAGEMENT, AND CHANGE; AND BY PROBLEM AREAS THAT CONCERN AESTHETICS, HEALTH, GENETICS, ECO-COMMUNITY RELATIONSHIPS, AND PSYCHOLOGICAL AND BEHAVIORAL CONSIDERATIONS. EACH ACTIVITY INCLUDES A REFERENCE TO THE ENVIRONMENTAL EDUCATION PROGRAM FROM FROM WHICH IT WAS TAKEN, AS WELL AS A STATED PURPOSE AND A METHODS SECTION. (MA)

ED - ED125882
CH - SE020429
AU - MELVIN, RUTH W.
TI - A GUIDE TO OHIO OUTDOOR EDUCATION AREAS. SECOND EDITION.
PD - 75
TS - RIE76NOV
IN - OHIO ACADEMY OF SCIENCE, COLUMBUS.
IN - OHIO STATE DEPT. OF NATURAL RESOURCES, COLUMBUS.
PR - EDRS PRICE MF-$0.83 HC-$12.71 PLUS POSTAGE.
AV - OHIO DEPARTMENT OF NATURAL RESOURCES, DIVISION OF NATURAL AREAS AND PRESERVES, FOUNTAIN SQUARE, COLUMBUS, OHIO 43224 ($5.00)
NO - 238P.; CONTAINS COLOR-CODED MAPS; COLORED PHOTOGRAPHS MAY NOT REPRODUCE WELL; FOR FIRST EDITION OF THIS PUBLICATION, SEE ED 073 945
DE - *DIRECTORIES; *ENVIRONMENTAL EDUCATION; FIELD TRIPS; GUIDES
DE - *INDEXES (LOCATERS); NATURAL RESOURCES; NATURE CENTERS
DE - *OUTDOOR EDUCATION; *SCIENCE EDUCATION; STUDY FACILITIES
ID - *OHIO
AB - TO THIS NEW AND UPDATED SECOND EDITION, OVER 160 NEW SITES AND THEIR DESCRIPTION HAVE BEEN ADDED. THE FIRST MAJOR SECTION, OUTDOOR EDUCATION AREAS, INCLUDES STATE PARKS, FORESTS, AND WILDLIFE AREAS; HISTORIC SITES AND MEMORIALS; WAYNE NATIONAL FOREST; METROPOLITAN COUNTY AND CITY PARKS; AGENCY AND PRIVATE CAMPS; CONSERVATION AGENCY PROPERTIES; CONSERVANCY DISTRICT LANDS AND RESERVOIRS; SCHOOL LAND LABORATORIES; AND PRIVATE CONSERVATION FARMS AND CAMP GROUNDS. THE SECOND SECTION IS DEVOTED TO SELECTED STATE, NATURE CONSERVANCY, UNIVERSITY, AND PRIVATE NATURE PRESERVES. IN BOTH SECTIONS, EACH OUTDOOR AREA SUMMARY IS ARRANGED ALPHABETICALLY ACCORDING TO COUNTY AND INCLUDES SIZE AND LOCATION, CORRECT NAME, A SHORT DESCRIPTION, AND THE ADDRESS OF THE PERSON TO CONTACT FOR ITS USE. ADDITIONAL INFORMATION CONCERNING SUITABILITY FOR CAMPING IS GIVEN IN CHART FORM IN THE THIRD SECTION. SEVEN COLOR MAPS DESCRIBING OHIO GEOLOGY, GLACIAL DEPOSITS, SOIL REGIONS, SURFACE WATER, GROUNDWATER, ORIGINAL VEGETATION, AND MAJOR FOREST TYPES FOLLOW. ALSO INCLUDED ARE A SELECTED BIBLIOGRAPHY, AND INDEX OF SITES, AND DIRECTIONS FOR USING THIS PUBLICATION. (MA)

ED - EJ140065
CH - SE516651
AU - KNAPP, CLIFFORD E.
TI - OPEN SPACE LEARNING ACTIVITIES
PD - APR 76
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 7; 10-12
DE - *ENVIRONMENTAL EDUCATION; *LAND USE; *OUTDOOR EDUCATION
DE - *SCIENCE ACTIVITIES; ELEMENTARY SECONDARY EDUCATION
DE - LEARNING ACTIVITIES; NATURAL RESOURCES; SCIENCE EDUCATION
DE - SOIL CONSERVATION
AB - DESCRIBES A SCIENCE ACTIVITY IN WHICH STUDENTS ARE GIVEN AN OPPORTUNITY TO CONSIDER THE VALUES OF OPEN SPACE. THE PROGRAM INCLUDES DIRECT INVOLVEMENT AS COMMUNICATORS OF FEELINGS AND FACTS, LEADING STUDENTS TO A POSITION OF MAKING WISE DECISIONS FOR LAND USE IN THE FUTURE. (EB)

ED - EJ140064
CH - SE516650
AU - MCCOLLUM, DANNEL
TI - LITTER STUDY: A SCHOOL RESEARCH PROJECT
PD - APR 76
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 7; 7-8
DE - *ENVIRONMENTAL EDUCATION; *ENVIRONMENTAL INFLUENCES
DE - *SCIENCE ACTIVITIES; *SCIENCE PROJECTS; *WASTES
DE - CONSERVATION EDUCATION; OUTDOOR EDUCATION; SCIENCE EDUCATION
DE - SECONDARY EDUCATION; SECONDARY SCHOOL SCIENCE
AB - DESCRIBES A PROJECT DONE TO VERIFY OR DISPUTE THE BREAKDOWN IN LITTER CONTENT PROPOSED BY KEEP AMERICA BEAUTIFUL, INC. (KAB). DECISIONS MADE RELATING TO QUANTITY OF MATERIALS, AREA TO BE STUDIED, AND A COMPLETE DESCRIPTION OF THE PROJECT ARE GIVEN. (EB)

ED - ED126638
CH - EC090526
AU - ENOS, DONALD F.
TI - MEETING CHILDREN'S NEEDS: A FIELD CENTERED CURRICULUM FOR MAINSTREAMING.
PD - APR 76
IS - RIE76DEC
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
NO - 21P.; PAPER PRESENTED AT THE ANNUAL INTERNATIONAL CONVENTION, THE COUNCIL FOR EXCEPTIONAL CHILDREN (54TH, CHICAGO, ILLINOIS, APRIL 4-9, 1976)
DE - *CURRICULUM EVALUATION; DEMONSTRATION PROJECTS
DE - EXCEPTIONAL CHILD EDUCATION; *FIELD TRIPS; *GIFTED
DE - *HANDICAPPED CHILDREN; *MODELS; OUTDOOR EDUCATION
DE - PROGRAM EFFECTIVENESS; *REGULAR CLASS PLACEMENT
DE - SECONDARY EDUCATION
AB - EVALUATED WERE THE EFFECTS OF A CURRICULUM MODEL COMBINING MAINSTREAMING AND FIELD-CENTERED EDUCATIONAL EXPERIENCES ON 201 HANDICAPPED, NORMAL, OR GIFTED HIGH SCHOOL STUDENTS (13-17 YEARS OLD). THE MODEL, STUDIED OVER A 4-YEAR PERIOD. WAS BASED ON THE IMPORTANCE OF RELATING CLASSROOM ACTIVITIES TO THE REALITY OF SOCIETY AND THE ADVANTAGES OF COMBINING FIELD-CENTERED EDUCATION WITH MAINSTREAMING. THE SS INCLUDED EMOTIONALLY HANDICAPPED, MENTALLY RETARDED, LEGALLY BLIND, NORMAL, TALENTED, AND GIFTED STUDENTS FROM WELFARE TO HIGH MIDDLE CLASS INCOME FAMILIES; AND REPRESENTED BLACK, CHICANO, ASIAN, WHITE, AND NATIVE AMERICAN ETHNIC GROUPS. THE PROGRAM INCLUDED A 6-TO 8-WEEK INSTRUCTIONAL PHASE FOLLOWED BY A 2-TO 3-WEEK FIELD TRIP TO SELECTED LOCALITIES. PRE-AND POSTASSESSMENTS WERE ADMINISTERED TO THE SS EACH YEAR, AND IN 1974 AND 1975 WERE COMPARED TO CONTROL GROUPS. RESULTS SUGGESTED THAT INCREASED PERFORMANCE IN THE COGNITIVE, AFFECTIVE, AND PSYCHOMOTOR DOMAINS WAS RELATED TO USE OF THE FIELD-CENTERED MODEL. (ALSO INCLUDED ARE A DESCRIPTION OF THE CURRICULUM MODEL, ASSESSMENT RESULTS IN TABULATED FORM, AND SELECTED QUOTATIONS AND DRAWINGS BY STUDENTS.) (IM)

ED - ED127073
CH - RC009351
TI - THE MOHONK CONFERENCE ON OUTDOOR EDUCATION FOR NEW YORK CITY. A REPORT OF THE CITYWIDE CONFERENCE ON OUTDOOR EDUCATION, ENVIRONMENTAL EDUCATION, SCHOOL CAMPING (MOHONK MOUNTAIN CONFERENCE CENTER, NEW PALTZ, NEW YORK, OCTOBER 30, 31, NOVEMBER 1, 1974).
PD - 74
IS - RIE76DEC
IN - NEW YORK CITY BOARD OF EDUCATION, BROOKLYN, N.Y.
PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
NO - 34P.
DE - *CAMPING; CONFERENCE REPORTS; CURRICULUM DEVELOPMENT
DE - EDUCATIONAL FACILITIES; EDUCATIONAL FINANCE
DE - *ENVIRONMENTAL EDUCATION; INTERAGENCY COORDINATION
DE - *OUTDOOR EDUCATION; PROFESSIONAL TRAINING
DE - *PROGRAM ADMINISTRATION; *PROGRAM PLANNING
DE - SCHOOL COMMUNITY COOPERATION; TEACHER EDUCATION
ID - *NEW YORK (NEW YORK)
AB - THE CONFERENCE WAS ATTENDED BY MORE THAN 50 OUTDOOR/ENVIRONMENTAL EDUCATORS FROM THE NEW YORK CITY SCHOOL SYSTEM AND REPRESENTATIVES FROM CITY AND STATE AGENCIES AND THE PRIVATE SECTOR. FOCUS WAS ON HOW TO MAKE OUTDOOR/ENVIRONMENTAL PROGRAMS AVAILABLE TO ALL CHILDREN IN THE NEW YORK CITY SCHOOLS. THE BULK OF THE CONFERENCE WAS DEVOTED TO THE DELIBERATIONS OF SIX WORKING TASK FORCES. THESE TASK FORCES DEALT WITH CURRICULUM DEVELOPMENT, TEACHER TRAINING, FACILITIES, FUNDING, INTERAGENCY AND COMMUNITY-BASED PROGRAMS, AND ADMINISTRATION. THIS REPORT, DERIVED FROM GENERAL-SESSION PROCEEDINGS AND THE REPORTS OF THE SIX TASK FORCES, PRESENTS THE PARTICIPANTS' RECOMMENDATIONS. AMONG THESE ARE THAT: A PERMANENT STEERING COMMITTEE ON OUTDOOR/ENVIRONMENTAL EDUCATION, REPRESENTATIVE OF ALL INTERESTED AGENCIES, SHOULD BE ESTABLISHED; ENVIRONMENTAL CONCEPTS SHOULD BE INTEGRATED INTO THE CURRICULUM IN AS MANY OF THE MORE TRADITIONAL SUBJECT AREAS; SCHOOL-YARDS MIGHT BE UTILIZED AS "CAMPSITES" WITH SCHOOL SHOWERS, TOILETS, AND LOCKER ROOMS LEFT OPEN FOR SUPERVISED USE BY OVERNIGHT CAMPERS; AND A CENTRAL CLEARINGHOUSE ON OUTDOOR/ENVIRONMENTAL EDUCATION SHOULD BE CREATED. (NQ)

ED - ED127102
CH - RC009401
AU - LOWENSTEIN, DANIEL H.
TI - WILDERNESS ADVENTURE PROGRAMS: AN ACTIVITY PROFILE.
PD - NOV 75
IS - RIE76DEC
IN - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. COLL. OF HUMAN DEVELOPMENT.
PR - EDRS PRICE MF-$0.83 HC-$4.67 PLUS POSTAGE.
NO - 92P.
DE - ACTIVITIES; DEFINITIONS; EQUIPMENT; FACILITIES
DE - FUTURES (OF SOCIETY); *HISTORY; LEGAL RESPONSIBILITY
DE - *OUTDOOR EDUCATION; PARTICIPANT CHARACTERISTICS; PLANNING
DE - PROBLEMS; *PROGRAM DESCRIPTIONS; *PROGRAM DEVELOPMENT; RESEARCH
DE - *RESOURCES; SITE SELECTION; SOCIOECONOMIC INFLUENCES
ID - *ADVENTURE EDUCATION; *WILDERNESS ADVENTURE PROGRAMS
AB - FOCUSING UPON THE ADVENTURE ASPECT OF WILDERNESS PROGRAMS, THIS PAPER PRESENTS A PROFILE OF THOSE PROGRAM ACTIVITIES WHICH CREATE A NUMBER OF CHALLENGES AND OFTEN STRESSFUL SITUATIONS AS THE MEANS OF ATTAINING SPECIFIED GOALS AND WHICH CAN BEST BE INCORPORATED UNDER THE TERM "WILDERNESS ADVENTURE PROGRAM" (WAP). PROVIDING INFORMATION OF INTEREST TO PERSONS CONCERNED WITH WAP HISTORY, PLANNING, AND/OR APPLICATION, THIS PAPER PRESENTS THE FOLLOWING CHAPTERS: (1) INTRODUCTION (TYPOLOGY); (2) ACTIVITY DESCRIPTION (HISTORY; FUNCTIONS; ACTIONS; KNOWLEDGE; EQUIPMENT; TEMPORAL CONSIDERATIONS; FORMALIZED CONTROL; COST; AND INSTRUCTION); (3) PARTICIPANTS AND NON-PARTICIPANTS (POPULARITY AND EXTENSIVENESS; PARTICIPANT CHARACTERIZATION; PARTICIPANT GROUPS; AND MEANING OF PARTICIPATION); (4) DEMAND AND CONSUMPTION FACTORS (CAUSAL SOCIOECONOMIC FACTORS; CHRISTY'S ELEMENTS; AND FUTURE OF WAPS); (5) ASSOCIATED RESOURCES (NATURAL ENVIRONMENT; AREAS, SITES, AND FACILITIES; COMPATABILITY; SUPPLIERS); (6) LEGAL ASPECTS (LEGISLATIVE ASPECTS; ADMINISTRATIVE ASPECTS; AND JUDICIAL ASPECTS); (7) PROBLEMS AND ISSUES (OVERVIEW; CRITICISM; RESEARCH RELATED TO WAPS; WAPS AS AN EDUCATIONAL TOOL, A THERAPEUTIC TOOL, AND A UNIQUE RECREATIONAL EXPERIENCE; AND CONCLUSION). APPENDICES PROVIDE INFORMATION RE: BASES; EXEMPLARY PROGRAMS; EQUIPMENT; SUPPLIERS' ADDRESSES; AND RESEARCH RELATED TO STANDARD COURSES. (JC)

ED - ED127111
CH - SE020408
TI - CURRICULUM RESOURCES FOR ENVIRONMENTAL PROGRESS, VOL. 1: CURRICULUM OUTLINE AND ACTIVITIES GUIDE.
PD - 76
IS - RIE76DEC
IN - KALAMAZOO NATURE CENTER, INC., MICH.
SN - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
PR - DOCUMENT NOT AVAILABLE FROM EDRS.
CG - OEG-0-74-7390
AV - ERIC/SMEAC, THE OHIO STATE UNIVERSITY, 1200 CHAMBERS ROAD, 3RD FLOOR, COLUMBUS, OHIO 43212 (ON LOAN)
NO - 377P.; FOR VOLUME TWO, SEE SE020409
DE - CONSERVATION EDUCATION; *CURRICULUM GUIDES
DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
DE - INTERDISCIPLINARY APPROACH; *LEARNING ACTIVITIES
DE - NATURAL RESOURCES; OUTDOOR EDUCATION; SCIENCE EDUCATION
DE - *SECONDARY EDUCATION
AB - THIS PUBLICATION IS THE FIRST VOLUME OF CURRICULUM RESOURCES PUBLISHED BY THE KALAMAZOO NATURE CENTER. IT CONTAINS DIRECTIONS FOR USING THE CURRICULUM ACTIVITIES GUIDE AND SUGGESTS WAYS OF IMPLEMENTING THE ACTIVITIES IN THE CLASSROOM. ALSO INCLUDED IS AN OUTLINE OF THE MATERIAL THAT COULD BE COVERED IN AN ENVIRONMENTAL EDUCATION PROGRAM, WITH APPROPRIATE ACTIVITIES. THE BULK OF THE PUBLICATION IS DEVOTED TO OVER 300 PAGES OF LEARNING ACTIVITIES SUITABLE FOR SECONDARY SCHOOL STUDENTS. EACH ACTIVITY PROVIDES A SHORT INTRODUCTION, A LISTING OF MATERIALS NEEDED, THE PROCEDURE, SOME DISCUSSION QUESTIONS, AND A BIBLIOGRAPHY. TOPICS COVERED BY THE ACTIVITIES INCLUDE LAND USE, NATURAL RESOURCES ALLOCATION AND DEPLETION, ENERGY USE AND CONSERVATION. INDEXES AT THE END OF THE GUIDE CLASSIFY ACTIVITIES ACCORDING TO STUDY TOPICS, SUBJECT TEACHING AREAS, GRADE LEVELS, ACTIVITY TITLES, AND ACTIVITY NUMBERS. (MA)

PART II: CITATIONS FROM

CURRENT INDEX TO JOURNALS IN EDUCATION

SAMPLE CURRENT INDEX TO JOURNALS OF EDUCATION

ED EJ128183
CH SE514346
AU ASCH, JOSEPH: SHORE, BRUCE M.
TI CONSERVATION BEHAVIOR AS THE OUTCOME OF ENVIRONMENTAL EDUCATION
PD 75
IS CIJE75
SO JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 25-33
DE *AFFECTIVE BEHAVIOR; *CONSERVATION EDUCATION
DE *ENVIRONMENTAL EDUCATION; *EVALUATION METHODS; *OUTDOOR EDUCATION
DE CONSERVATION (ENVIRONMENT); ECOLOGY; NATURAL RESOURCES
DE PROGRAM EVALUATION; RESEARCH
ID QUEBEC (MONTREAL)
AB IN THIS STUDY, TWO GROUPS OF STUDENTS WERE ASKED TO PERFORM A NUMBER OF TASKS THAT REQUIRED SOME CONSERVATION KNOWLEDGE. EVALUATION OF THE TASKS WAS DONE BY OUTSIDE INDIVIDUALS IN AN OUTDOOR CENTER. RESULTS INDICATED THAT THE GROUP TRAINED IN ENVIRONMENTAL CONSERVATION WERE LESS DESTRUCTIVE AND MORE CONSERVATIONAL IN BEHAVIOR. (MA)

KEY TO ABSTRACT

ED	ERIC Accession Number - identification number sequentially assigned to documents as they are processed
CH	Clearinghouse accession number
AU	Author(s)
TI	Title
PD	Date published
IS	Issue of CIJE
SO	Source
DE	Descriptors
ID	Identifiers - additional identifying terms not found in the Thesaurus of ERIC Descriptors.
AB	Informative abstract
( )	Abstractor's initials always placed at end of abstract

ED - EJ123144
CH - RC501906
AU - PETZOLDT, PAUL
TI - ADVENTURE EDUCATION AND THE NATIONAL OUTDOOR LEADERSHIP SCHOOL
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 3-7
DE - *CONSERVATION (ENVIRONMENT); *HIGHER EDUCATION
DE - *LEADERSHIP TRAINING; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
DE - ENVIRONMENTAL EDUCATION; EDUCATIONAL PHILOSOPHY
ID - NATIONAL OUTDOOR LEADERSHIP SCHOOL

ED - EJ123145
CH - RC501907
AU - WADE, DOUGLAS E.
TI - SOME ETHICAL AND RELATED CONSIDERATIONS OF ADVENTURE PROGRAMS
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 8-11
DE - *CONSERVATION (ENVIRONMENT); *ETHICAL INSTRUCTION; *ECOLOGY
DE - *OUTDOOR EDUCATION; *PRESERVATION; LAND USE

ED - EJ123146
CH - RC501908
AU - VAN DER SMISSEN, BETTY
TI - LEGAL ASPECTS OF ADVENTURE ACTIVITIES
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 12-15
DE - *LEGAL RESPONSIBILITY; *OUTDOOR EDUCATION; *PHYSICAL ACTIVITIES
DE - *SUPERVISION; *STANDARDS; CONDUCT; SAFETY EQUIPMENT
ID - ADVENTURE ACTIVITIES

ED - EJ123147
CH - RC501909
TI - EXCERPTS FROM A PANEL DISCUSSION ON IMPLEMENTING ADVENTURE EDUCATION PROGRAMS IN PUBLIC SCHOOLS
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 15-19
DE - *ELEMENTARY SECONDARY EDUCATION; *OUTDOOR EDUCATION
DE - *PUBLIC SCHOOLS; *PROGRAM DEVELOPMENT; COMMUNITY RESOURCES
DE - EQUIPMENT; SPEECHES
ID - *ADVENTURE EDUCATION

ED - EJ123148
CH - RC501910
AU - TYLER, RON
TI - THE IMPACT OF A BRITISH PROGRAM ON THE DEVELOPMENT OF THE WILLOWBROOK HIGH SCHOOL OUTDOOR CLUB
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 20-22
DE - *CLUBS; *COCURRICULAR ACTIVITIES; *HIGH SCHOOLS
DE - *OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT
DE - INTERDISCIPLINARY APPROACH; PROGRAM DESCRIPTIONS
DE - SECONDARY EDUCATION
ID - ILLINOIS

ED - EJ123149
CH - RC501911
AU - LITTLE, CHARLES
TI - DEVELOPING A HIGH SCHOOL ADVENTURE PROGRAM: PERSISTANCE AND INNOVATION
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 1; 22-5
DE - *COCURRICULAR ACTIVITIES; *HIGH SCHOOLS; *OUTDOOR EDUCATION
DE - *PROGRAM DEVELOPMENT; *PROBLEMS; ACTIVITY LEARNING
DE - ADMINISTRATIVE POLICY; CLUBS; FINANCIAL SUPPORT
ID - ILLINOIS

ED - EJ123316
CH - SE514304
AU - KELLER, M.
TI - BIOLOGY POOL
PD - APR 75
IS - CIJE76
SO - SOUTH AUSTRALIAN SCIENCE TEACHERS JOURNAL; 751; 9-10
DE - *EDUCATIONAL FACILITIES; *INSTRUCTIONAL AIDS; *OUTDOOR EDUCATION
DE - *SCIENCE PROJECTS; *SCIENCE FACILITIES; BIOLOGY
DE - SECONDARY EDUCATION; SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE
DE - SWIMMING POOLS
AB - DESCRIBES THE CONVERSION OF AN OLD SWIMMING POOL ON THE SCHOOL GROUNDS INTO A BIOLOGY POOL FOR THE CREATION OF A POND COMMUNITY WHICH BECAME BOTH A USEFUL TEACHING RESOURCE AND AN ATTRACTIVE PART OF THE SCHOOL ENVIRONMENT. (BR)

ED - EJ126391
CH - PS504337
AU - BURNISON, MARY
TI - THE FARM
PD - JUL-AUG 75
IS - CIJE76
SO - CHILDREN TODAY; 4; 4; 26-28
DE - *ELEMENTARY SECONDARY EDUCATION; *DISADVANTAGED YOUTH
DE - *FARM VISITS; *DAY CAMP PROGRAMS; SUMMER PROGRAMS; PLAY
DE - OUTDOOR EDUCATION; VOLUNTEERS; PROGRAM DESCRIPTIONS
DE - EMOTIONAL EXPERIENCE
ID - *NATURE STUDY
AB - DESCRIBES THE EXPERIENCES PROVIDED FOR DISADVANTAGED CHILDREN AGED 4-14 YEARS THROUGH AN ENRICHMENT PROGRAM, BEGUN IN 1973, WHICH AIMS TO FOSTER FEELINGS OF CLOSENESS AND LOVE IN A RURAL SETTING. GROUPS OF 20 CHILDREN ARE BUSED TO A FARM EACH DAY FOR TWO ONE-WEEK PERIODS DURING THE SUMMER. (ED)

ED - EJ126425
CH - SE513112
AU - HOWIE, THOMAS RICHARD
TI - INDOOR OR OUTDOOR ENVIRONMENTAL EDUCATION?
PD - 74
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 2; 32-36
DE - *COGNITIVE MEASUREMENT; *ENVIRONMENTAL EDUCATION
DE - *EDUCATIONAL METHODS; *OUTDOOR EDUCATION; *STATISTICAL ANALYSIS
DE - CONCEPT TEACHING; CONSERVATION EDUCATION; ECOLOGY
DE - PROGRAM EVALUATION; STATISTICAL STUDIES
ID - MARYLAND (PRINCE GEORGES COUNTY)
AB - IN THIS ARTICLE, THE EFFECTIVENESS OF FIELD EXPERIENCE VERSUS CLASSROOM EXPERIENCE WAS STATISTICALLY COMPARED IN COGNITIVE LEARNING. RESULTS INDICATED THE NEED FOR A PROGRAM CONSISTING OF FOUR PHASES INVOLVING TEACHER INSERVICE TRAINING, CLASSROOM DEVELOPMENT OF ADVANCED ORGANIZATION, OUTDOOR EXPERIENCE, AND CLASSROOM FOLLOW-UP WITH FURTHER APPLICATION AND CONCEPTUALIZATION. (AUTHOR/MA)

ED - EJ126428
CH - SE513115
AU - MATTHEWS, JEAN
TI - ENVIRONMENTAL EDUCATION AND COMMUNITY ACTION
PD - 74
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 2; 45-49
DE - *COMMUNITY ACTION; *ENVIRONMENTAL EDUCATION; *SPEECHES
DE - CITIZEN PARTICIPATION; EVALUATION; FEDERAL PROGRAMS
DE - OUTDOOR EDUCATION; PLANNING
AB - IN THIS ARTICLE, ADOPTED FROM A SPEECH GIVEN IN CALIFORNIA, THE AUTHOR TRACES THE EVOLUTION OF ENVIRONMENTAL EDUCATION AND CITES NUMEROUS EXAMPLES OF THE NEED FOR ENVIRONMENTAL CONCERN. ALONG WITH THIS, MS. MATTHEWS POINTS OUT THE WEAKNESSES OF PAST ENVIRONMENTAL EDUCATION PROGRAMS AND THE MEANS TO IMPROVE EXISTING ONES. (MA)

ED - EJ126650
CH - SE514631
AU - RUSSELL, HELEN ROSS
TI - COORDINATING SCIENCE AND OTHER SUBJECTS
PD - 75
IS - CIJE76
SO - NATURE STUDY; 29; 1; 11-12
DE - *ENVIRONMENTAL EDUCATION; *INTERDISCIPLINARY APPROACH
DE - *SCIENCE EDUCATION; *SCIENCE PROJECTS
DE - ELEMENTARY SECONDARY EDUCATION; INTEGRATED CURRICULUM
DE - LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION
DE - SCIENCE ACTIVITIES
AB - THIS ARTICLE PRESENTS EXAMPLES OF SCIENCE UNITS WHICH HAVE BECOME SUCCESSFUL MULTIDISCIPLINARY PROJECTS. INCLUDED ARE A PROTECT YOUR ENVIRONMENT CAMPAIGN AND HUNGER DAY. PRE- AND IN-SERVICE COURSES, FILE OF REFERENCES, AND RESOURCE PEOPLE ARE SUGGESTED AS BEING HELPFUL IN STRUCTURING INTERDISCIPLINARY ACTIVITIES. IDEAS AND SOURCES FOR PROJECTS ARE MENTIONED. (BP)

ED - EJ126653
CH - SE514635
AU - COGGINS, JOHN H.
TI - BIRD POPULATION STUDIES FOR SUBURBAN STUDENTS
PD - SEP 75
IS - CIJE76
SO - AMERICAN BIOLOGY TEACHER; 37; 6; 344-345,349
DE - *ECOLOGY; *FIELD STUDIES; *SCIENCE ACTIVITIES; COLLEGE SCIENCE
DE - HIGHER EDUCATION; OUTDOOR EDUCATION; SCIENCE EDUCATION
ID - *ORNITHOLOGY; BIRD BANDING
AB - DESCRIBES A BIRD-STUDY AND BANDING ACTIVITY DESIGNED FOR STUDENTS IN URBAN AND SUBURBAN AREAS. (PEB)

ED - EJ127159
CH - AA521581
AU - DAWSON, PAUL DOW; BURKS, TIMOTHY
TI - THE OUTING CLUB: SCIENCE WITHOUT WALLS
PD - OCT 75
IS - CIJE76
SO - INDEPENDENT SCHOOL BULLETIN; 35; 1; 56-8
DE - *PRIVATE SCHOOLS; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
DE - *STUDENT EXPERIENCE; *EDUCATIONAL OBJECTIVES; CAMPING
DE - STUDENT DEVELOPMENT; STUDENT IMPROVEMENT
DE - STUDENT TEACHER RELATIONSHIP
AB - IN AN ATTEMPT TO GIVE STUDENTS AN OPPORTUNITY TO STRENGTHEN SKILLS THAT WILL MAKE THEM EFFECTIVE GROUP MEMBERS, AUTHORS DEVELOPED A PROGRAM, "THE DOHERTY SCHOOL OUTING CLUB", THAT STRESSES GROUP DYNAMICS IN AN OUTDOOR SETTING. (AUTHOR/RK)

ED - EJ127212
CH - AA521643
AU - POTTS, VERNON R.; KNOWLTON, JAMES
TI - WHERE IT'S HAPPENING: OUTDOOR PROGRAM EASES RACIAL TENSION
PD - OCT 75
IS - CIJE76
SO - NASSP BULLETIN; 59; 393; 108-10
DE - *OUTDOOR EDUCATION; *RACIAL ATTITUDES; *STUDENT ATTITUDES
DE - *PROGRAM DESCRIPTIONS; *STUDENT INTERESTS; EDUCATIONAL OBJECTIVES
AB - ARTICLE DESCRIBED A PROGRAM, PROJECT BACSTOP (BETTER ACQUISITION OF COGNITIVE SKILLS THROUGH OUTDOOR PROGRAMING), WHICH ATTEMPTED TO REDUCE RACIAL INTERACTION AND DEVELOP COGNITIVE GROWTH THROUGH USE OF LEARNING IN THE WILDERNESS. (AUTHOR/RK)

ED - EJ127238
CH - AA521676
AU - STANIX, EDWARD
TI - THE CEMETERY: AN OUTDOOR CLASSROOM
PD - OCT 75
IS - CIJE76
SO - TEACHER; 93; 2; 66-7
DE - *ELEMENTARY SCHOOL STUDENTS; *OUTDOOR EDUCATION
DE - *EDUCATIONAL ENVIRONMENT; *LEARNING PROCESSES
DE - *STUDENT DEVELOPMENT
AB - STUDENTS DISCOVERED THAT THE CEMETERY CAN BE AN OUTDOOR CLASSROOM RICH IN ACTION-ORIENTED EXPERIENCES AND LEARNING ACTIVITIES. (AUTHOR/RK)

ED - EJ128178
CH - SE514341
AU - CLARK, EDWARD
TI - GOOD EDUCATION IS ENVIRONMENTAL
PD - 75
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 1-5
DE - *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *PROGRAM EVALUATION
DE - *SCIENCE EDUCATION; *TEACHER EDUCATION; EFFECTIVE TEACHING
DE - TEACHER PARTICIPATION
AB - WORKING WITH TEACHERS AND ADMINISTRATORS, THE AUTHOR HAS IDENTIFIED TWO MAJOR PROBLEMS ASSOCIATED WITH THE IMPLEMENTATION OF ENVIRONMENTAL EDUCATION PROGRAMS IN THE SCHOOLS. BOTH LACK OF EDUCATION AND MOTIVATION WERE CITED BY THE AUTHOR AND SUGGESTIONS TO BETTER INFORM AND EDUCATE TEACHERS TO THE PHILOSOPHY OF ENVIRONMENTAL EDUCATION WERE INCLUDED. (MA)

ED - EJ128183
CH - SE514346
AU - ASCH, JOSEPH; SHORE, BRUCE M.
TI - CONSERVATION BEHAVIOR AS THE OUTCOME OF ENVIRONMENTAL EDUCATION
PD - 75
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 25-33
DE - *AFFECTIVE BEHAVIOR; *CONSERVATION EDUCATION
DE - *ENVIRONMENTAL EDUCATION; *EVALUATION METHODS; *OUTDOOR EDUCATION
DE - CONSERVATION (ENVIRONMENT); ECOLOGY; NATURAL RESOURCES
DE - PROGRAM EVALUATION; RESEARCH
ID - QUEBEC (MONTREAL)
AB - IN THIS STUDY, TWO GROUPS OF STUDENTS WERE ASKED TO PERFORM A NUMBER OF TASKS THAT REQUIRED SOME CONSERVATION KNOWLEDGE. EVALUATION OF THE TASKS WAS DONE BY OUTSIDE INDIVIDUALS AT AN OUTDOOR CENTER. RESULTS INDICATED THAT THE GROUP TRAINED IN ENVIRONMENTAL CONSERVATION WERE LESS DESTRUCTIVE AND MORE CONSERVATIONAL IN BEHAVIOR. (MA)

ED - EJ128184
CH - SE514347
AU - BEECHEL, JACQUE
TI - INTERPRETATION FOR HANDICAPPED PERSONS
PD - 75
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 34-44
DE - *ENVIRONMENTAL EDUCATION; *HANDICAPPED; *INTERPRETIVE SKILLS
DE - *MENTAL RETARDATION; *OUTDOOR EDUCATION; BLIND; DEAF; DEAF BLIND
DE - PHYSICALLY HANDICAPPED; VISUALLY HANDICAPPED
AB - RECENT TRENDS IN INTERPRETIVE WORK EMPHASIZE VISITOR INVOLVEMENT RATHER THAN MATERIAL PRESENTATION. NEW CONSIDERATIONS ARE BEING GIVEN TO INVOLVING PERSONS HANDICAPPED PHYSICALLY OR MENTALLY. THIS ARTICLE IS CONCERNED WITH THE TYPES OF HANDICAPS MOST FREQUENTLY ENCOUNTERED AND THE MEANS TO FACILITATE THE INVOLVEMENT OF THOSE PERSONS IN AN INTERPRETIVE PROGRAM. (MA)

ED - EJ128187
C[illegible] - SE514350
AU - DONALDSON, GEORGE W.; SCHMIDT, DONNA
TI - AN INVESTIGATION INTO THE DESIRABLE ECO-EDUCATION SITE
PD - 75
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 6; 4; 58-62
DE - *CONSERVATION EDUCATION; *ENVIRONMENTAL EDUCATION
DE - *FACILITY REQUIREMENTS; *LAND USE; *OUTDOOR EDUCATION
DE - NATURAL RESOURCES; RECREATIONAL FACILITIES; SCIENCE EDUCATION
DE - SURVEYS
AB - THIS STUDY WAS DESIGNED TO DETERMINE SCIENTIFICALLY THE CHARACTERISTICS WHICH ARE DESIRABLE IN A SITE TO BE USED FOR ECO-EDUCATIONAL PURPOSES. AN OPINIONNAIRE WAS DEVISED AND SENT OUT TO LEADERS IN OUTDOOR EDUCATION. FINDINGS INDICATED NO ESSENTIAL CHARACTERISTICS FOR SUCH AN ECO-EDUCATIONAL SITE. (AUTHOR/MA)

ED - EJ128323
CH - SE515002
AU - MAINONE, ROBERT F.
TI - ADOPT A STREAM
PD - OCT 75
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 2; 21-22
DE - *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION
DE - CONSERVATION EDUCATION; ENVIRONMENT
DE - ELEMENTARY SECONDARY EDUCATION; FIELD STUDIES; SCIENCE ACTIVITIES
DE - SCIENCE EDUCATION; TRAILS
AB - DESCRIBES ON-SITE ACTIVITIES DESIGNED TO HELP STUDENTS LEARN HOW NATURAL SYSTEMS WORK. (PB)

ED - EJ128325
CH - SE515004
AU - GRIFFIN, NANCY C.
TI - ECOLOGICAL STUDIES IN THE MIDDLE SCHOOL? YES
PD - OCT 75
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 2; 24-26
DE - *ENVIRONMENTAL EDUCATION; *LEARNING ACTIVITIES
DE - *OUTDOOR EDUCATION; COURSE DESCRIPTIONS; ECOLOGY
DE - JUNIOR HIGH SCHOOL STUDENTS; SCIENCE ACTIVITIES
DE - SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; SECONDARY EDUCATION
AB - DESCRIBED IS AN ENVIRONMENTAL STUDIES UNIT WHICH FORMS PART OF INTERRELATED EXPLORATIONS IN SCIENCE, INCLUDING ECOLOGY, BALANCES OF NATURE AND INTERRELATIONS OF ORGANISMS. SOME OF THE ACTIVITIES AND MAJOR TOPICS OF THE UNIT ARE GIVEN. (EB)

ED - EJ128330
CH - SE515009
AU - MCINTYRE, MARGARET
TI - TAKING AN INSECT VIEW
PD - OCT 75
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 2; 41-42
DE - *DISCOVERY LEARNING; *EARLY CHILDHOOD EDUCATION
DE - *LEARNING ACTIVITIES; ECOLOGY; ENVIRONMENTAL EDUCATION
DE - OUTDOOR EDUCATION; SCIENCES; SCIENCE EDUCATION
AB - DISCUSSES METHODS FOR INTRODUCING YOUNG CHILDREN TO THE STUDY OF ECOLOGY. (PB)

ED - EJ128328
CH - SE515007
AU - GROVES, DAVID L.
TI - COOPERATION IN REVEGETATING STRIP-MINED AREAS
PD - OCT 75
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 2; 32-33
DE - *CONSERVATION EDUCATION; *FORESTRY; *OUTDOOR EDUCATION
DE - *SOIL CONSERVATION; ELEMENTARY SECONDARY EDUCATION
DE - ENVIRONMENTAL EDUCATION; NATURAL RESOURCES; SCIENCE EDUCATION
ID - STRIP MINING
AB - PRESENTED IS A DESCRIPTION OF A PROGRAM DEVELOPED WHICH PROVIDED STUDENTS, FORESTRY AGENCIES, MINE OPERATORS AND INDIVIDUAL INSTRUCTORS AN OPPORTUNITY TO EXCHANGE IDEAS, TO LEARN MORE ABOUT STRIP MINING, AND TO SURVEY THE KINDS OF CONSERVATION EDUCATION PROGRAMS NEEDED IN THE SCHOOLS. (EB)

ED - EJ130276
CH - SO504288
AU - JACOBSON, MICHAEL; PALONSKY, STUART
TI - SCHOOL CAMPING AND ELEMENTARY SOCIAL STUDIES
PD - JAN 76
IS - CIJE76
SO - SOCIAL EDUCATION; 40; 1; 44-6
DE - *CAMPING; *OUTDOOR EDUCATION; *COURSE DESCRIPTIONS
DE - *SOCIAL STUDIES; *TEACHING TECHNIQUES; ELEMENTARY EDUCATION
AB - SOCIAL STUDIES ACTIVITIES FOR AN ELEMENTARY SCHOOL CAMPING TRIP ARE DESCRIBED. (DE)

ED - EJ133190
CH - RC502038
AU - KNAPP, CLIFFORD
TI - OUTDOOR ENVIRONMENTAL VALUES CLARIFICATION
PD - F-W 75
IS - CIJE76
SO - COMMUNICATOR; 7; 1; 9-11
DE - *ENVIRONMENTAL CRITERIA; *ENVIRONMENTAL EDUCATION
DE - *OUTDOOR EDUCATION; *STUDENT ATTITUDES; *VALUES; BIBLIOGRAPHIES
AB - SIXTEEN STRATEGIES FOR OUTDOOR ENVIRONMENTAL VALUES CLARIFICATION ARE LISTED. A 22-ITEM SELECTED BIBLIOGRAPHY IS ALSO INCLUDED. (NQ)

ED - EJ133191
CH - RC502039
AU - DUNFORD, ELIZABETH
TI - THE MAKING OF A THING OF BEAUTY
PD - F-W 75
IS - CIJE76
SO - COMMUNICATOR; 7; 1; 14-18
DE - *CLASS ACTIVITIES; *HANDICRAFTS; *LEARNING ACTIVITIES
DE - *NATURAL RESOURCES; *OUTDOOR EDUCATION; ART ACTIVITIES
DE - CURRICULUM ENRICHMENT; CULTURAL ACTIVITIES; GRADE 4
DE - STUDENT PROJECTS
AB - THE ARTICLE DESCRIBES A CLASS PROJECT WHICH INVOLVED DYEING YARN FROM THINGS OF NATURE AND USING THE YARN TO CREATE A DESIGN ON BURLAP. (NQ)

ED - EJ133192
CH - RC502040
AU - ROOT, SANDAL W.
TI - ON THE TRAIL OF FOREST ECOLOGY
PD - F-W 75
IS - CIJE76
SO - COMMUNICATOR; 7; 1; 20-2
DE - *ECOLOGY; *ENVIRONMENTAL EDUCATION; *ELEMENTARY SCHOOL STUDENTS
DE - *NATURAL RESOURCES; *TRAILS; CONSERVATION (ENVIRONMENT)
DE - OUTDOOR EDUCATION
ID - ENVIRONMENTAL STUDY TRAIL
AB - THE ARTICLE DISCUSSES AN ENVIRONMENTAL STUDY TRAIL, AN ORGANIZED CONCEPT-BUILDING APPROACH TO LEARNING, WHICH IS FLEXIBLE ENOUGH TO BE ADAPTED TO VARIOUS OUTDOOR SETTINGS. (NQ)

ED - EJ133196
CH - RC502044
AU - HERMAN, HERBERT
TI - A WINTER DREAM OF SUMMER WONDERS
PD - F-W 75
IS - CIJE76
SO - COMMUNICATOR; 7; 1; 42-4
DE - *EDUCATIONAL ALTERNATIVES; *EXTENDED SCHOOL YEAR
DE - *INTERDISCIPLINARY APPROACH; *OUTDOOR EDUCATION
DE - *PROGRAM DESCRIPTIONS; CAMPING; MATHEMATICS INSTRUCTION
DE - READING INSTRUCTION; SUMMER PROGRAMS
AB - THE EXTENDED SCHOOL PROGRAM CONSISTS OF 3 PHASES: 1) A REMEDIAL READING AND MATHEMATICS PROGRAM IN SCHOOL; 2) AN EXCURSION PROGRAM IN THE METROPOLITAN AREA; AND 3) A SUMMER CAMP PROGRAM TO OVERCOME THE "SUMMER LAG". (AUTHOR)

ED - EJ133197
CH - RC502045
TI - THE MYSTERY OF ANIMAL TRACKING
PD - F-W 75
IS - CIJE76
SO - COMMUNICATOR; 7; 1; 45-8
DE - *ANIMAL BEHAVIOR; *CLASSIFICATION; *OUTDOOR EDUCATION; *TRACKING
AB - A SIMPLE ANIMAL TRACK GUIDE IS GIVEN TO HELP STUDENTS AND TEACHERS RECOGNIZE SOME OF THE COMMON ANIMAL TRACKS FOUND IN MANY PARTS OF THE COUNTRY. THE TRACKS ARE DIVIDED INTO 3 BASIC CATEGORIES: 1) FLATFOOTS, 2) TOE-WALKERS, AND 3) TOE-NAIL WALKERS. (NQ)

ED - EJ133198
CH - RC502046
AU - JOSLIN, ROBERT O.
TI - SCHOOL SITE ANALYSIS--AN INVENTORY OF RESOURCES
PD - F-W 75
IS - CIJE76
SO - COMMUNICATOR; 7; 1; 49-50
DE - *FACILITY INVENTORY; *OUTDOOR EDUCATION; *RESOURCES
DE - *SCHOOL LOCATION; *SITE ANALYSIS; ENVIRONMENTAL INFLUENCES
DE - INTERDISCIPLINARY APPROACH; LEARNING ACTIVITIES

ED - EJ133216
CH - SE515440
AU - GALINDEZ, PETER
TI - HOPPERNAUTS: A SPACE-AGE LABORATORY
PD - NOV/DEC 75
IS - CIJE76
SO - SCIENCE ACTIVITIES; 12; 6; 8-11
DE - *BIOLOGY; *INTERDISCIPLINARY APPROACH; *SCIENCE ACTIVITIES
DE - *SPACE SCIENCES; *UNITS OF STUDY (SUBJECT FIELDS); INSTRUCTION
DE - OUTDOOR EDUCATION; SCIENCE EDUCATION; SECONDARY EDUCATION
DE - SECONDARY SCHOOL SCIENCE
AB - DESCRIBES A LIVELY INVESTIGATION TO INTERRELATE BIOLOGY, MATH, PHYSICS, AND CHEMISTRY WITH OUR NATIONS SPACE PROGRAM. SUGGESTED FOR USE WITH TENTH GRADE BIOLOGY STUDENTS WHEN DEALING WITH TOPICS RELEVANT TO ANIMAL STRESS REACTIONS. REFERENCES ARE CITED. (EB)

ED - EJ133221
CH - SE515445
AU - WACKER, DAVID G.
TI - WATER STUDIES ON A LIMITED BUDGET? ASK A FISHERMAN
PD - NOV/DEC 75
IS - CIJE76
SO - SCIENCE ACTIVITIES; 12; 6; 26-28
DE - *INSTRUCTION; *LABORATORY EQUIPMENT; *OUTDOOR EDUCATION
DE - *SCIENCE ACTIVITIES; *SCIENCE EQUIPMENT; EQUIPMENT
DE - SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; SECONDARY EDUCATION
AB - DESCRIBES THE USE OF PIECES OF EQUIPMENT SUCH AS THE OXYGEN TEMPERATURE PROBE (OTB) COMMONLY USED BY FISHERMAN, FOR RESEARCH FIELD TRIPS. THE INSTRUMENT CAN BE USED IN CLASSROOM EXPERIMENTS AS WELL. OTHER EQUIPMENT DESCRIBED INCLUDES THE ELECTRONIC THERMOMETER AND OXYGEN MONITOR. (EB)

ED - EJ133342
CH - SE515739
TI - THE 1976 OUTING PROGRAM
PD - JAN 76
IS - CIJE76
SO - SIERRA CLUB BULLETIN; 61; 1; 4-6I
DE - *CAMPING; *FIELD TRIPS; *INSTRUCTIONAL TRIPS; *OUTDOOR EDUCATION
DE - *RESIDENT CAMP PROGRAMS; BULLETINS; ENVIRONMENTAL EDUCATION
DE - RECREATIONAL ACTIVITIES; SUMMER PROGRAMS; VACATION PROGRAMS
ID - *SIERRA CLUB
AB - THIS ISSUE PRESENTS A SUMMARY OF THE 1976 SIERRA CLUB OUTINGS. BRIEF DESCRIPTIONS ARE GIVEN OF EACH OUTING INCLUDING THE DATES, COSTS, DEPOSITS, AND LEADERS. THE OUTINGS OFFERED INCLUDE KNAPSACK TRIPS, SKI TOURING, UNDERWATER EXPLORATION, FOREIGN TRIPS, BICYCLE TRIPS, AND BURRO TRIPS. (MR)

ED - EJ133406
CH - SE515803
AU - HURLEY, KEVIN
TI - THE SEEDS OF REVOLUTION
PD - JAN 76
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 4; 13-15
DE - *AGRICULTURE; *ELEMENTARY SCHOOL SCIENCE
DE - *ENVIRONMENTAL EDUCATION; *INSTRUCTION; *URBAN EDUCATION
DE - ELEMENTARY EDUCATION; OUTDOOR EDUCATION; PLANTING
DE - SCIENCE ACTIVITIES; SCIENCE EDUCATION
AB - DESCRIBES AN INNER-CITY PROJECT WHICH UTILIZES A SKIT, GROUP STUDY, AND AUDIOVISUAL AIDS AND TEXTBOOKS TO TEACH GARDENING TO ELEMENTARY STUDENTS. (LS)

ED - EJ133414
CH - SE515811
AU - WOHLBERG, MARGARET
TI - SCIENCE AT THE LOS ALAMOS RANCH SCHOOL
PD - JAN 76
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 4; 41-42
DE - *CURRICULUM DEVELOPMENT; *INSTRUCTION; *OUTDOOR EDUCATION
DE - *PROGRAM DESCRIPTIONS; *SECONDARY SCHOOL SCIENCE
DE - ENVIRONMENTAL EDUCATION; INTERDISCIPLINARY APPROACH
DE - SCIENCE EDUCATION; SECONDARY EDUCATION
AB - DESCRIBES A SCIENCE CURRICULUM EMPHASIZING OUTDOOR EDUCATION THAT WAS IN EXISTENCE AT THE LOS ALAMOS RANCH SCHOOL FROM 1918 UNTIL 1943. (LS)

ED - EJ133556
CH - SE516035
AU - RILLO, THOMAS J.
TI - EXPLORING WATER POLLUTION. PART 3
PD - JAN/FEB 76
IS - CIJE76
SO - SCIENCE ACTIVITIES; 13; 1; 26-34
DE - *ELEMENTARY SCHOOL SCIENCE; *INSTRUCTIONAL MATERIALS
DE - *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; *WATER RESOURCES
DE - ELEMENTARY EDUCATION; EARTH SCIENCE; FIELD TRIPS; POLLUTION
DE - SCIENCE EDUCATION
AB - LISTS OVER 30 OUTDOOR SCIENCE ACTIVITIES DEALING WITH WATER FORMATION, EROSION, POLLUTION, AND OTHER WATER-RELATED TOPICS. PROVIDES, IN ADDITION, A SELECTED BIBLIOGRAPHY OF FILMS, TAPES, BOOKLETS AND PAMPHLETS, AND FILMSTRIPS AS ADDITIONAL REFERENCE MATERIALS. (CP)

ED - EJ136637
CH - SE515326
AU - SKINNER, RAY, JR.
TI - ENVIRONMENTAL EDUCATION ROAD RALLIES
PD - 75
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 1; 21-26
DE - *ENVIRONMENTAL EDUCATION; *ECOLOGY; *FIELD TRIPS; *INSTRUCTION
DE - *OUTDOOR EDUCATION; FIELD INSTRUCTION; LEARNING ACTIVITIES
AB - THE AUTHOR DEVELOPED A NEW FORMAT FOR ENVIRONMENTAL FIELD TRIPS WHERE PARTICIPANTS ARE NOT PASSIVE LISTENERS, BUT ACTIVELY INVOLVED. SLIDES THAT FAMILIARIZED PARTICIPANTS WITH THE CRITERIA FOR EVALUATING ENVIRONMENTAL QUALITY WERE USED PRIOR TO THE TRIP. PARTICIPANTS RECORDED POSITIVE AND NEGATIVE INDICATORS ON THE TRIP ESTABLISHING AN ENVIRONMENTAL QUALITY PER MILE SCALE FOR FUTURE DISCUSSION. (MR)

ED - EJ136646
CH - SE515875
AU - RAILTON, ESTHER P.
TI - THE SWINGING DOOR: OPEN AND SHUT EDUCATIONAL ENVIRONMENTS
PD - 75
IS - CIJE76
SO - NATURE STUDY; 29; 3&4; 1-2
DE - *CURRICULUM; *ENVIRONMENTAL EDUCATION; *EDUCATIONAL ENVIRONMENT
DE - *NATURE CENTERS; *OUTDOOR EDUCATION; CURRICULUM PROBLEMS
DE - HUMANISTIC EDUCATION; OPEN EDUCATION; SOCIAL VALUES
AB - THIS ARTICLE TREATS THE PROBLEMS OF OPENING THE STRUCTURE OF EXISTING OUTDOOR EDUCATION PROGRAMS TO KEEP PACE WITH TWO OPEN-ENDED TEACHING STRATEGIES BEING USED IN THE CLASSROOMS. OBSTACLES TO THIS OPEN STRUCTURE ARE DISCUSSED AND THE NEED FOR A HUMANISTIC, DISCOVERY APPROACH IN OUTDOOR EDUCATION IS STRESSED. (MA)

ED - EJ136647
CH - SE515876
AU - OLIVER, JANICE
TI - TIPS FOR ENVIRONMENTAL EDUCATION AND INTERPRETATION... TIPS FOR ESTABLISHING A SCHOOL NATURE AREA
PD - 75
IS - CIJE76
SO - NATURE STUDY; 29; 3&4; 5-6
DE - *ENVIRONMENTAL EDUCATION; *NATURE CENTERS; *OUTDOOR EDUCATION
DE - *PLANNING; *RESOURCE CENTERS; CONSERVATION EDUCATION; DEVELOPMENT
DE - NATURAL RESOURCES; SCHOOL COMMUNITY PROGRAMS; SCIENCE EDUCATION

ED - EJ136650
CH - SE515879
AU - HAWLEY, BEVERLY
TI - ENVIRONMENTAL LIVING PROGRAM AT OLD SHIPS MARITIME STATE HISTORIC PARK
PD - 75
IS - CIJE76
SO - NATURE STUDY; 29; 3&4; 9-10
DE - *ENVIRONMENTAL EDUCATION; *ELEMENTARY EDUCATION; *FIELD TRIPS
DE - *OCEANOLOGY; *SOCIAL STUDIES; CURRICULUM ENRICHMENT; HISTORY
DE - OUTDOOR EDUCATION
ID - CALIFORNIA (CONCORD); CALIFORNIA (SAN FRANCISCO)

ED - EJ136651
CH - SE515880
AU - CASE, MARSHAL T., ED.
TI - NEWS AND NOTES FOR ENVIRONMENTAL EDUCATION... THE BRIDGEPORT CONNECTION
PD - 75
IS - CIJE76
SO - NATURE STUDY; 29; 3&4; 11
DE - *ENVIRONMENTAL EDUCATION; *HIGHER EDUCATION; *OUTDOOR EDUCATION
DE - *SUMMER INSTITUTES; *TEACHER EDUCATION; ECOLOGY; ENVIRONMENT
DE - SCIENCE EDUCATION; URBAN EDUCATION; URBAN ENVIRONMENT
ID - CONNECTICUT
AB - THIS ARTICLE CONCERNS A SUMMER ENVIRONMENTAL EDUCATION INSTITUTE DESIGNED FOR INNER CITY TEACHERS. COURSE INSTRUCTORS CONCENTRATED ON FIRST-HAND EXPERIMENTAL LEARNING ACTIVITIES. TEACHERS WORKED ON SHORT STUDIES OF THE AREAS DESIGNED TO ACQUAINT THEM WITH THE NATURAL ENVIRONMENT. THE NEED FOR ENVIRONMENTAL EDUCATION IN URBAN SCHOOLS WAS STRESSED. (MA)

ED - EJ136684
CH - SE516086
AU - HUNGERFORD, HAROLD R.
TI - MYTHS OF ENVIRONMENTAL EDUCATION
PD - 75
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 2; 21-26
DE - *ENVIRONMENTAL EDUCATION; *EDUCATIONAL ATTITUDES
DE - *EDUCATIONAL PHILOSOPHY; *INSTRUCTION; *TEACHER ATTITUDES
DE - EDUCATIONAL PROBLEMS; OUTDOOR EDUCATION; SCIENCE EDUCATION
AB - DISCUSSED ARE SEVEN PEDAGOGICAL MYTHS OF ENVIRONMENTAL EDUCATION. THE MYTHS INCLUDE ECOLOGY AND OUTDOOR EDUCATION ARE SYNONYMOUS WITH ENVIRONMENTAL EDUCATION, HUMANISM IS EQUATED WITH STUDENT AUTONOMY, STUDENTS ARE NATURAL INVESTIGATORS, SCIENCE CAN RESOLVE ENVIRONMENTAL PROBLEMS, ONLY SCIENCE TEACHERS SUCCESSFULLY TEACH ENVIRONMENTAL EDUCATION, AND ENVIRONMENTAL EDUCATORS PRACTICE WHAT THEY PREACH. (MR)

ED - EJ136687
CH - SE516089
AU - CURRY, A. DUDLEY; WILLIAMS, ROBERT A.
TI - GATHERING AND PREPARING WILD FOODS
PD - 75
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 2; 44-47
DE - *COMMUNITY EDUCATION; *ENVIRONMENTAL EDUCATION
DE - *FOODS INSTRUCTION; *INSTRUCTION; *OUTDOOR EDUCATION; NUTRITION
ID - SURVIVAL EDUCATION
AB - DISCUSSED ARE THE APPLICATIONS OF GATHERING AND PREPARING WILD FOODS TO ENVIRONMENTAL, SURVIVAL, CAREER, AND COMMUNITY EDUCATION PROGRAMS. IT RECOMMENDS WILD FOODS ACTIVITIES BE USED TO STIMULATE SOCIAL AND HISTORICAL STUDIES OF "RETURN-TO-NATURE" LIFE STYLES. WILD FOOD STUDY ALSO EMPHASIZES MAN AS PART OF THE ENVIRONMENT. (MR)

ED - EJ136690
CH - SE516092
AU - REYBURN, JERRY H.; KNUDSON, DOUGLAS M.
TI - THE INFLUENCE OF ADVERTISING ON ATTENDANCE AT PARK PROGRAMS
PD - 75
IS - CIJE76
SO - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 2; 59-64
DE - *ATTENDANCE PATTERNS; *COMMUNICATION PROBLEMS
DE - *ENVIRONMENTAL EDUCATION; *PARKS; CAMPING; NATURE CENTERS
DE - OUTDOOR EDUCATION; SUMMER PROGRAMS; VACATION PROGRAMS
ID - *RESEARCH REPORTS
AB - INVESTIGATED WERE THE EFFECTS ON ATTENDANCE OF FOUR TYPES OF PRE-PROGRAM ADVERTISING: NO ADVERTISING, PERSONAL INVITATION, SIGNS, AND INNOVATION. ALL THREE ADVERTISING TREATMENTS INCREASED PROGRAM ATTENDANCE OVER NO ADVERTISING. EACH ADVERTISING TECHNIQUE HAS ADVANTAGES AND DISADVANTAGES. SIGNS ARE IMPERSONAL, BUT EFFECTIVE. PERSONAL INVITATION IS TIME-CONSUMING BUT HUMANISTIC. (MR)

ED - EJ136699
CH - SE516199
AU - FALK, JOHN H.
TI - OUTDOOR EDUCATION: A TECHNIQUE FOR ASSESSING STUDENT BEHAVIORS
PD - MAR 76
IS - CIJE76
SO - SCHOOL SCIENCE AND MATHEMATICS; 76; 3; 226-230
DE - *BEHAVIOR RATING SCALES; *EVALUATION; *MEASUREMENT INSTRUMENTS
DE - *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; FIELD TRIPS
DE - SCIENCE EDUCATION; SECONDARY SCHOOL SCIENCE; SECONDARY EDUCATION
AB - DESCRIBES AN INSTRUMENT DEVELOPED TO QUANTITATIVELY EVALUATE THE PARTICIPATION LEVELS OF STUDENTS ON OUTDOOR EDUCATION ACTIVITIES. FROM PHOTOGRAPHS TAKEN AT TWO MINUTE INTERVALS, STUDENTS ARE ASSIGNED VALUES FOR THEIR OBSERVED BEHAVIORS. THE CORRELATIONS OF VALUES ASSIGNED BY SEVERAL JUDGES ARE SHOWN. (CP)

ED - EJ136789
CH - SE516394
AU - ASKHAM, LEONARD R.
TI - THE EFFECTS OF PLANTS ON CLASSIFICATION BEHAVIOR IN AN OUTDOOR ENVIRONMENT
PD - JAN 76
IS - CIJE76
SO - JOURNAL OF RESEARCH IN SCIENCE TEACHING; 13; 1; 49-54
DE - *CLASSIFICATION; *EDUCATIONAL RESEARCH; *PLANT IDENTIFICATION
DE - *SECONDARY SCHOOL SCIENCE; OUTDOOR EDUCATION; SCIENCE EDUCATION
DE - SECONDARY EDUCATION
ID - RESEARCH REPORTS
AB - SECONDARY SCHOOL STUDENTS IN A CLASSIFICATION STUDY SPENT MORE TIME IN CLASSIFYING PLANTS IN A SEMINATURAL ENVIRONMENT THAN IN CLASSIFYING MAN-MADE GEOMETRICAL OBJECTS IN A CLASSROOM. NO DIFFERENCES WERE FOUND IN THESE RESULTS WITH RESPECT TO RACE, SEX, OR AGE. (MLH)

ED - EJ136990
CH - SP504354
AU - EZERSKY, EUGENE M.
TI - ENRICHING EDUCATION WITH CAMPING PROGRAMS
PD - OCT 75
IS - CIJE76
SO - JOURNAL OF PHYSICAL EDUCATION AND RECREATION; 46; 8; 51-2
DE - *OUTDOOR EDUCATION; *CAMPING; *PHYSICAL EDUCATION
DE - *SCHOOL RECREATIONAL PROGRAMS; *ENVIRONMENTAL EDUCATION
DE - RECREATIONAL ACTIVITIES; LIFETIME SPORTS; RECREATIONAL PROGRAMS
AB - SCHOOL CAMPING PROGRAMS ARE A MAJOR COMPONENT OF OUTDOOR RECREATION. MANY EDUCATIONAL DISCIPLINES CAN BE TAUGHT THROUGH CAMPING. (RC)

ED - EJ138549
CH - RC502116
AU - FERGUSON, SUSAN G.; NEBIKER, IRENE G.
TI - DISCOVERY 18--DIGGING INTO THE PAST
PD - SPR-SUM 76
IS - CIJE76
SO - COMMUNICATOR; 7; 2; 2-9
DE - *ARCHAEOLOGY; *ELEMENTARY SECONDARY EDUCATION; *LOCAL HISTORY
DE - *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
DE - EDUCATIONAL ALTERNATIVES; INTERDISCIPLINARY APPROACH
ID - RHODE ISLAND (NORTH SMITHFIELD)
AB - SEVERAL HUNDRED STUDENTS HAVE PARTICIPATED IN DIGGING AND EXPLORATION UNDER A PILOT PROJECT (FUNDED VIA TITLE III OF THE ELEMENTARY SECONDARY EDUCATION ACT AND SPONSORED BY THE NORTHFIELD SCHOOL DEPARTMENT OF RHODE ISLAND) WHICH HAS UTILIZED ARCHAEOLOGY AND LOCAL HISTORY AS VEHICLES FOR EDUCATIONAL ALTERNATIVES. (JC)

ED - EJ138550
CH - RC502117
AU - JUNE, CHRISTINA
TI - WE ARE CHANGING NATURAL EVOLUTION
PD - SPR-SUM 76
IS - CIJE76
SO - COMMUNICATOR; 7; 2; 10-11
DE - *BIOLOGICAL INFLUENCES; *CONSERVATION (ENVIRONMENT)
DE - *CHEMICAL INDUSTRY; *EVOLUTION; *OUTDOOR EDUCATION

ED - EJ138551
CH - RC502118
AU - LOUGHLIN, WILLIAM, JR.
TI - INTEGRATING INDOOR AND OUTDOOR EDUCATION WITH A CAMERA
PD - SPR-SUM 76
IS - CIJE76
SO - COMMUNICATOR; 7; 2; 12-15
DE - *CURRICULUM DEVELOPMENT; *CLASSROOM TECHNIQUES
DE - *INTERDISCIPLINARY APPROACH; *OUTDOOR EDUCATION; *PHOTOGRAPHY
DE - EDUCATIONAL ALTERNATIVES; ELEMENTARY SECONDARY EDUCATION
DE - INTEGRATED ACTIVITIES

ED - EJ138552
CH - RC502119
AU - SERRAO, JOHN
TI - HARBINGERS OF SPRING
PD - SPR-SUM 76
IS - CIJE76
SO - COMMUNICATOR; 7; 2; 21-5
DE - *BIOLOGY INSTRUCTION; *CLASSROOM RESEARCH; *ELEMENTARY EDUCATION
DE - *OUTDOOR EDUCATION; SECONDARY EDUCATION
ID - *AMPHIBIANS
AB - EMPHASIZING THE SPRING MIGRATION OF FROGS, TOADS, AND SALAMANDERS TO THEIR WATERY BREEDING SITES, THIS ARTICLE PRESENTS INFORMATION ON NUMEROUS AMPHIBIANS AND SUGGESTS BOTH INDOOR AND OUTDOOR EDUCATIONAL ACTIVITIES APPROPRIATE FOR ELEMENTARY AND/OR EARLY SECONDARY INSTRUCTION. (JC)

ED - EJ138553
CH - RC502120
AU - LEINBACH, ERIC; JOSLIN, ROBERT
TI - SIMPLE CARE OF REPTILES AND AMPHIBIANS
PD - SPR-SUM 76
IS - CIJE76
SO - COMMUNICATOR; 7; 2; 26-7
DE - *BIOLOGY; *CHARTS; *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION
DE - PRESERVATION; SCIENCE ACTIVITIES; ELEMENTARY SECONDARY EDUCATION
DE - FOOD
ID - *AMPHIBIANS
AB - PRESENTING DATA ON AMPHIBIANS, THIS ARTICLE DETAILS, VIA CHART, WHERE AND WHEN TO FIND TOADS AND FROGS FOR SCHOOL USE. (JC)

ED - EJ138554
CH - RC502121
AU - FOSTER, HERBERT L.; AND OTHERS
TI - INDIVIDUALIZING STUDY IN THE OUTDOORS THROUGH A CONTRACT SYSTEM
PD - SPR-SUM 76
IS - CIJE76
SO - COMMUNICATOR; 7; 2; 29-33
DE - *INDIVIDUALIZED INSTRUCTION; *LEARNING ACTIVITIES
DE - *OUTDOOR EDUCATION; *PERFORMANCE CONTRACTS; BIBLIOGRAPHIES
DE - LEARNING MOTIVATION
ID - *CEMETERIES; INDIVIDUALIZED CURRICULUM CONTRACT SYSTEM; ICCS

ED - EJ138555
CH - RC502122
AU - VAN HORN, WILLIAM F.
TI - PROJECT OCEANOLOGY: FOSTERING ENVIRONMENTAL AWARENESS AND CONCERN
PD - SPR-SUM 76
IS - CIJE76
SO - COMMUNICATOR; 7; 2; 34-41
DE - *LEARNING LABORATORIES; *OUTDOOR EDUCATION; *OCEANOLOGY
DE - *PROGRAM DESCRIPTIONS; RESOURCE CENTERS; ENVIRONMENTAL EDUCATION
DE - ELEMENTARY SECONDARY EDUCATION; HISTORY; HIGHER EDUCATION
ID - *PROJECT OCEANOLOGY; CONNECTICUT (GROTON)
AB - SERVING AS AN EDUCATIONAL RESOURCE CENTER FOR CONNECTICUT PUBLIC SCHOOLS AND INSTITUTIONS OF HIGHER LEARNING, PROJECT OCEANOLOGY PROVIDES 256 PROGRAMS IN MARINE EDUCATION VIA A "FLOATING LABORATORY", A WATERFRONT LABORATORY, AND A CLASSROOM EQUIPPED FOR INDIVIDUAL STUDY. (JC)

ED - EJ138556
CH - RC502123
AU - AUGUST, IRWIN
TI - BOOTS, BANDANNAS, AND BEANS
PD - SPR-SUM 76
IS - CIJE76
SO - COMMUNICATOR; 7; 2; 42-6
DE - *CLOTHING; *EQUIPMENT; *FOOD; *OUTDOOR EDUCATION; CAMPING
DE - PLANNING
ID - *BACKPACKING
AB - DETAILING THE PROPER FOOD, CLOTHING, AND EQUIPMENT NECESSARY FOR SAFE AND COMFORTABLE BACKPACKING, THIS ARTICLE EMPHASIZES CAREFUL PLANNING. (JC)

ED - EJ138557
CH - RC502124
AU - FUGE, GEORGE C.; HILL, GREGORY A.
TI - CORTLAND'S QUARTER CENTURY OF OUTDOOR EDUCATION
PD - SPR-SUM 76
IS - CIJE76
SO - COMMUNICATOR; 7; 2; 48-50
DE - *HISTORY; *OUTDOOR EDUCATION; *PROGRAM DEVELOPMENT
DE - *RESOURCE CENTERS; ENVIRONMENTAL EDUCATION
DE - ELEMENTARY SECONDARY EDUCATION; HIGHER EDUCATION
DE - PROGRAM DESCRIPTIONS
ID - *CORTLAND CENTER; ADIRONDACKS
AB - EACH OF THE MORE THAN 50 PROGRAMS CONDUCTED ANNUALLY AT CORTLAND CENTER IN THE ADIRONDACKS AIM TOWARD DEVELOPING THE CONCEPT OF MAN IN HARMONY WITH NATURE. (JC)

ED - EJ139841
CH - RC502153
AU - YAMBERT, PAUL A.
TI - OUTDOOR EDUCATION HAS TO GO
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 2-7
DE - *CONSERVATION (ENVIRONMENT); *EDUCATIONAL PHILOSOPHY
DE - *FUTURES (OF SOCIETY); *OUTDOOR EDUCATION; DEPLETED RESOURCES
DE - ENVIRONMENTAL EDUCATION; ECOLOGICAL FACTORS; NEGATIVE ATTITUDES
DE - RECYCLIN
AB - THE ART LE DISCUSSES SOME OF THE REASONS WHY OUTDOOR EDUCATORS ARE PES MISTIC ABOUT THE FUTURE OF THE ECOSYSTEM AND SOME OF THE REASONS FOR BEING OPTIMISTIC. (NQ)

ED - EJ139842
CH - RC502154
AU - SPITZNER, STUART H.
TI - URBAN ENVIRONMENTAL EDUCATION: A DILEMMA, A SOLUTION, AND ANOTHER DILEMMA
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 8-10
DE - *ECOLOGY; *EDUCATIONAL DEVELOPMENT; *ENVIRONMENTAL EDUCATION
DE - *OUTDOOR EDUCATION; *URBAN ENVIRONMENT; CURRICULUM DEVELOPMENT
DE - ELEMENTARY EDUCATION
AB - A REPLICABLE DESIGN OF ENVIRONMENTAL STUDIES WHICH PLACES THE GREATEST EMPHASIS ON THE URBAN ECO-SYSTEM IS DISCUSSED. (NQ)

ED - EJ139843
CH - RC502155
AU - KIELSMEIER, JIM
TI - EXPERIENCE AS AN INTERDISCIPLINARY FOCUS IN ALTERNATIVE PROGRAMS
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 11-13
DE - *CURRICULUM DEVELOPMENT; *EDUCATIONAL ALTERNATIVES
DE - *INTEGRATED ACTIVITIES; *INTERDISCIPLINARY APPROACH
DE - COURSE ORGANIZATION; ENVIRONMENTAL EDUCATION
DE - INSTRUCTIONAL INNOVATION; LEARNING EXPERIENCE; OUTDOOR EDUCATION
AB - THE ARTICLE OFFERS THE SUGGESTION THAT INTERDISCIPLINARY UNITS CAN BE MAXIMIZED IF THEY INCLUDE SOME FORM OF FOCUSING EXPERIENCES AS PART OF THE MODULE AND GIVES SOME TIPS ON DEVELOPING SUCH A UNIT. (AUTHOR)

ED - EJ139844
CH - RC502156
AU - WINTER, LAREN R.; ROSE, KEN
TI - A PROFESSIONAL-CULTURAL EXCHANGE OF EXPERIENCES IN OUTDOOR EDUCATION
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 13-15
DE - *COLLEGE PROGRAMS; *CULTURAL EXCHANGE; *EXCHANGE PROGRAMS
DE - *INTERINSTITUTIONAL COOPERATION; *OUTDOOR EDUCATION
DE - PROGRAM DESCRIPTIONS
ID - SOUTHWESTERN OKLAHOMA STATE UNIVERSITY
ID - COLLEGE OF SANTA FE NEW MEXICO
AB - THE EXCHANGE PROGRAM BETWEEN SOUTHWESTERN OKLAHOMA STATE UNIVERSITY (WEATHERFORD, OKLAHOMA) AND THE COLLEGE OF SANTA FE (NEW MEXICO) IS DESCRIBED. (NQ)

ED - EJ139845
CH - RC502157
AU - WOLFF, BIRGIT H.
TI - HYPOTHERMIA, KNOW IT FOR WHAT IT IS: A POTENTIAL KILLER
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 15-17
DE - *HEALTH; *MEDICAL TREATMENT; *OUTDOOR EDUCATION
DE - *THERMAL ENVIRONMENT; EDUCATIONAL EXPERIENCE; FIRST AID
DE - STRESS VARIABLES
ID - *HYPOTHERMIA

ED - EJ139846
CH - RC502158
AU - MARTURANO, ARLENE
TI - READING THE FUTURE
PD - 75
IS - CIJE76
SO - JOURNAL OF OUTDOOR EDUCATION; 10; 2; 18-19
DE - *CONSERVATION (ENVIRONMENT); *ENVIRONMENTAL EDUCATION
DE - *OUTDOOR EDUCATION; *READING; CONTEXT CLUES; ELEMENTARY EDUCATION
DE - FUTURES (OF SOCIETY)
AB - THE FIFTH GRADE CLASSROOM PROGRAM IN ENVIRONMENTAL EDUCATION AT GADSDEN ELEMENTARY SCHOOL (GADSDEN, SOUTH CAROLINA) AIMS TO DEVELOP AN INTELLIGENT EYE WHICH WILL FUNCTION MORE EFFECTIVELY IN READING THE SURROUNDINGS WHEN THE ENTIRE BODY IS IN TOUCH WITH THE EARTH AND ITS RESOURCES. (NQ)

ED - EJ139927
CH - SE516413
AU - LEWIS, CHARLES A.
TI - NATURE CITY: TRANSLATING THE NATURAL ENVIRONMENT INTO URBAN LANGUAGE
PD - 76
IS - CIJE76
SO - NATURE STUDY; 30; 1; 8-9
DE - *ENVIRONMENTAL EDUCATION; *ECOLOGY; *FIELD TRIPS
DE - *LEARNING ACTIVITIES; *URBAN EDUCATION; OUTDOOR EDUCATION

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ED - EJ139948
CH - SE516490
AU - OSMON, CAROL
TI - A 36,000-ACRE CLASSROOM
PD - MAR/APR 76
IS - CIJE76
SO - SCIENCE ACTIVITIES; 13; 2; 13-16
DE - *FIELD TRIPS; *OUTDOOR EDUCATION; *SCIENCE PROGRAMS
DE - *SCIENCE ACTIVITIES; *SECONDARY SCHOOL SCIENCE; INSTRUCTION
DE - SCIENCE EDUCATION; SECONDARY EDUCATION
ID - *SCIENCE CAMPS
AB - DESCRIBES THE SCIENCE ACTIVITIES AT A SCHOOL CAMP LOCATED IN THE SAN BERNADINO MOUNTAINS. EACH SIXTH-GRADE STUDENT IN THE LONG BEACH, CALIFORNIA SCHOOL DISTRICT ATTENDS THIS CAMP FOR ONE WEEK. (MLH)

ED - EJ140012
CH - SE516594
AU - GORDON, MARSHALL
TI - MEASUREMENT ACTIVITIES FOR EXPLORING THE NATURAL ENVIRONMENT
PD - 76
IS - CIJE76
SO - NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS YEARBOOK; 38; 163-174
DE - *GEOMETRIC CONCEPTS; *INSTRUCTION; *LEARNING ACTIVITIES
DE - *MEASUREMENT; *SECONDARY SCHOOL MATHEMATICS
DE - ELEMENTARY SECONDARY EDUCATION; LABORATORY PROCEDURES
DE - MATHEMATICS EDUCATION; OUTDOOR EDUCATION; PHYSICAL ENVIRONMENT
AB - A SERIES OF OUTDOOR ACTIVITIES IS PROVIDED IN WHICH MEASUREMENT AND GEOMETRY ARE USED TO DESCRIBE PHENOMENA IN THE ENVIRONMENT. (SD)

ED - EJ140068
CH - SE516654
AU - BALLIN, ALICE
TI - WOODLAND ACTIVITY BOOK
PD - APR 76
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 7; 16-17
DE - *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION
DE - *OBSERVATIONAL LEARNING; *SCIENCE ACTIVITIES; *SCIENCE MATERIALS
DE - ELEMENTARY SCHOOL SCIENCE; ELEMENTARY EDUCATION
DE - ENVIRONMENTAL EDUCATION; NATURAL RESOURCES; SCIENCE EDUCATION
AB - DISCUSSES A BOOK TO ENCOURAGE CHILDREN TO MAKE MORE ACCURATE OBSERVATIONS AND TO GAIN FURTHER INSIGHT INTO THE WONDERS OF NATURE. CONSIDERED MOST SUCCESSFUL WHEN USED WITH SECOND TO FOURTH GRADERS. A SELECTION OF PAGES ARE DESCRIBED. (EB)

ED - EJ140071
CH - SE516657
AU - BUSCHER, DICK
TI - OUTDOOR EDUCATION IN THE SONORAN DESERT
PD - APR 76
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 7; 20-21
DE - *ENVIRONMENTAL EDUCATION; *FIELD STUDIES; *NATURAL RESOURCES
DE - *SCIENCE ACTIVITIES; *SECONDARY SCHOOL SCIENCE; BIOLOGY
DE - JUNIOR HIGH SCHOOL STUDENTS; OUTDOOR EDUCATION; SCIENCE EDUCATION
DE - SECONDARY EDUCATION
ID - DESERTS
AB - AN EIGHT-DAY TRIP SEGMENT OF A SCIENCE CURRICULUM WAS SPENT IN THE OUTDOORS FOR STUDENTS WHO LIVE IN A POTENTIALLY DANGEROUS ENVIRONMENT TO LEARN TO RESPECT IT AND HOW TO USE IT AS AN AREA FOR RECREATION AND EDUCATION. THE DESIGN AND HIGH POINTS OF THE CURRICULUM ARE GIVEN. (EB)

ED - EJ140072
CH - SE516658
AU - LITTMAN, KAREN; BARON, DIANE T.
TI - THE ENVIRONMENTAL APPROACH TO RECREATION SERVICES
PD - APR 76
IS - CIJE76
SO - SCIENCE AND CHILDREN; 13; 7; 22-23
DE - *ENVIRONMENTAL EDUCATION; *HANDICAPPED CHILDREN
DE - *INTELLECTUAL DEVELOPMENT; *OUTDOOR EDUCATION
DE - *RECREATIONAL ACTIVITIES; CREATIVE THINKING
DE - ELEMENTARY SECONDARY EDUCATION; ENVIRONMENTAL INFLUENCES
DE - LEARNING ACTIVITIES; SCIENCE EDUCATION
AB - PRESENTS AN ENVIRONMENTAL RECREATION PROGRAM SET UP TO INITIATE AND IMPROVE UPON THE LEVELS OF PERSONAL AND SOCIAL FUNCTIONING OF THE HANDICAPPED CHILD. PROGRAMS ARE BASED IN COMMUNITY CENTERS OR PARKS, IN A NEIGHBORHOOD PLAY AREA OR NEAR A WOODS. IT IS CONSIDERED A NONTHREATENING APPROACH. (EB)

ED - EJ140136
CH - SE516722
AU - THOMSEN, KURT O.
TI - FIELD SEMINAR LIBRARY FOR EARTH SCIENCE DEPARTMENTS
PD - MAR 75
IS - CIJE76
SO - JOURNAL OF GEOLOGICAL EDUCATION; 23; 2; 49-51
DE - *COLLEGE SCIENCE; *EARTH SCIENCE; *FIELD TRIPS
DE - *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES; HIGHER EDUCATION
DE - PRESERVICE EDUCATION; SCIENCE EDUCATION; TEACHER EDUCATION
AB - ADVOCATES A FIELD SEMINAR PROGRAM IN WHICH PROSPECTIVE EARTH SCIENCE TEACHERS, AS WELL AS OTHER STUDENT PARTICIPANTS, MAY EARN COLLEGE CREDITS FOR TAKING PART IN FIELD EXPERIENCES. (CP)

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